

GenCore version 6.2.1
Copyright (c) 1993 - 2007 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: November 29, 2007, 17:17:13 ; Search time 46 Seconds
(without alignments) 328.583 Million cell updates

Title: US-10-692-299-2

perfect score:

Sequence: 1 MRGATRVSIMLLLVTVSDCA.....CSRFPDGRYRCMDLKNINF 105

Scoring table: BLOSUM62

Scoring table: $\text{DROUD} = 2$
Gapop 10.0 , Gapext 0.5

Searched: 983262 seqs, 142787483 residues

Total number of hits satisfying chosen parameters: 983262

Minimum DB seq Length: 0

Maximum DB seq length: 9
Maximum DB seq length: 20000000

Post-processing: Minimum Match 0%

**Fast-processing: Minimum Match 0%
Maximum Match 100%**

Maximum Match 100% Listing first 1500 summaries

Database : Issued Patents AA:*

- ```

1: /ENC/Celerra_SIDS2/ptodata/1/iaa/5_COMB.pep.*
2: /ENC/Celerra_SIDS2/ptodata/1/iaa/6_COMB.pep.*
3: /ENC/Celerra_SIDS2/ptodata/1/iaa/7_COMB.pep.*
4: /ENC/Celerra_SIDS2/ptodata/1/iaa/H_COMB.pep.*
5: /ENC/Celerra_SIDS2/ptodata/1/iaa/PCTUS_COMB.pep.*
6: /ENC/Celerra_SIDS2/ptodata/1/iaa/RE_COMB.pep.*
7: /ENC/Celerra_SIDS2/ptodata/1/iaa/backfiles.pep.*

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score | Match | Length | DB | ID                 | Description       |
|------------|-------|-------|--------|----|--------------------|-------------------|
| 1          | 589   | 100.0 | 105    | 2  | US-09-712-529-5    | Sequence 5, Appli |
| 2          | 589   | 100.0 | 105    | 2  | US-10-212-201A-5   | Sequence 5, Appli |
| 3          | 589   | 100.0 | 105    | 2  | US-10-212-355-5    | Sequence 5, Appli |
| 4          | 589   | 100.0 | 105    | 2  | US-09-991-181-371  | Sequence 371, App |
| 5          | 589   | 100.0 | 105    | 2  | US-09-990-444-371  | Sequence 371, App |
| 6          | 589   | 100.0 | 105    | 2  | US-09-997-333-371  | Sequence 371, App |
| 7          | 589   | 100.0 | 105    | 2  | US-09-992-598-371  | Sequence 371, App |
| 8          | 589   | 100.0 | 105    | 2  | US-09-989-735-371  | Sequence 371, App |
| 9          | 589   | 100.0 | 105    | 3  | US-09-989-726-371  | Sequence 371, App |
| 10         | 589   | 100.0 | 105    | 3  | US-09-997-514-371  | Sequence 371, App |
| 11         | 589   | 100.0 | 105    | 3  | US-09-989-728-371  | Sequence 371, App |
| 12         | 589   | 100.0 | 105    | 3  | US-09-997-349-371  | Sequence 371, App |
| 13         | 589   | 100.0 | 105    | 3  | US-09-997-653-371  | Sequence 371, App |
| 14         | 589   | 100.0 | 105    | 3  | US-09-989-733A-371 | Sequence 371, App |
| 15         | 589   | 100.0 | 105    | 3  | US-09-989-732-371  | Sequence 371, App |
| 16         | 589   | 100.0 | 105    | 3  | US-09-990-441-371  | Sequence 371, App |
| 17         | 589   | 100.0 | 105    | 3  | US-10-333-192-23   | Sequence 23, Appl |
| 18         | 589   | 100.0 | 105    | 3  | US-10-123-292-470  | Sequence 470, App |
| 19         | 589   | 100.0 | 105    | 3  | US-10-323-157A-2   | Sequence 2, Appli |
| 20         | 589   | 100.0 | 105    | 3  | US-09-989-328-371  | Sequence 371, App |
| 21         | 589   | 100.0 | 105    | 3  | US-09-989-724-371  | Sequence 371, App |
| 22         | 589   | 100.0 | 105    | 3  | US-09-989-733-371  | Sequence 371, App |
| 23         | 589   | 100.0 | 105    | 3  | US-09-993-583-371  | Sequence 371, App |
| 24         | 589   | 100.0 | 105    | 3  | US-10-152-398-470  | Sequence 470, App |
| 25         | 589   | 100.0 | 105    | 3  | US-09-989-279-371  | Sequence 371, App |
| 26         | 589   | 100.0 | 105    | 3  | US-10-123-907-470  | Sequence 470, App |

|     |       |      |     |   |                    |                    |     |       |      |     |   |                    |                    |
|-----|-------|------|-----|---|--------------------|--------------------|-----|-------|------|-----|---|--------------------|--------------------|
| 100 | 303   | 51.4 | 108 | 3 | US-10-811-328-5    | Sequence 5, Appli  | 173 | 100.5 | 17.1 | 350 | 2 | US-09-905-381A-236 | Sequence 236, App  |
| 101 | 303   | 51.4 | 108 | 3 | US-10-982-168-2    | Sequence 2, Appli  | 174 | 100.5 | 17.1 | 350 | 2 | US-09-906-618-236  | Sequence 236, App  |
| 102 | 303   | 51.4 | 108 | 3 | US-10-980-246-2    | Sequence 2, Appli  | 175 | 100.5 | 17.1 | 350 | 2 | US-09-906-646-236  | Sequence 236, App  |
| 103 | 303   | 51.4 | 108 | 3 | US-10-680-755A-2   | Sequence 2, Appli  | 176 | 100.5 | 17.1 | 350 | 2 | US-09-904-462-236  | Sequence 236, App  |
| 104 | 303   | 51.4 | 116 | 3 | US-10-680-755A-26  | Sequence 26, Appli | 177 | 100.5 | 17.1 | 350 | 2 | US-09-902-736A-236 | Sequence 236, App  |
| 105 | 298   | 50.6 | 107 | 3 | US-10-231-411A-6   | Sequence 6, Appli  | 178 | 100.5 | 17.1 | 350 | 2 | US-09-906-722A-236 | Sequence 236, App  |
| 106 | 291   | 49.4 | 81  | 3 | US-10-323-157A-6   | Sequence 6, Appli  | 179 | 100.5 | 17.1 | 350 | 2 | US-09-905-449-236  | Sequence 236, App  |
| 107 | 291   | 49.4 | 81  | 3 | US-10-811-328-6    | Sequence 11, Appli | 180 | 100.5 | 17.1 | 350 | 2 | US-09-903-562B-236 | Sequence 236, App  |
| 108 | 287.5 | 48.8 | 96  | 3 | US-10-323-157A-11  | Sequence 11, Appli | 181 | 100.5 | 17.1 | 350 | 2 | US-09-906-679A-236 | Sequence 236, App  |
| 109 | 287.5 | 48.8 | 96  | 3 | US-10-811-328-11   | Sequence 11, Appli | 182 | 100.5 | 17.1 | 350 | 3 | US-09-907-841-236  | Sequence 2, Appli  |
| 110 | 286   | 48.6 | 81  | 3 | US-10-811-328-29   | Sequence 29, Appli | 183 | 100.5 | 17.1 | 350 | 3 | US-09-906-838B-236 | Sequence 236, App  |
| 111 | 286   | 48.6 | 81  | 3 | US-10-811-328-31   | Sequence 31, Appli | 184 | 100.5 | 17.1 | 350 | 3 | US-09-909-320-236  | Sequence 236, App  |
| 112 | 282.5 | 48.0 | 129 | 3 | US-10-231-411A-2   | Sequence 2, Appli  | 185 | 100.5 | 17.1 | 350 | 3 | US-10-903-639A-8   | Sequence 8, Appli  |
| 113 | 282.5 | 48.0 | 129 | 3 | US-10-680-755A-29  | Sequence 29, Appli | 186 | 100.5 | 17.1 | 350 | 3 | US-10-063-639A-8   | Sequence 236, App  |
| 114 | 278.5 | 47.3 | 77  | 3 | US-10-811-328-32   | Sequence 32, Appli | 187 | 100.5 | 17.1 | 350 | 3 | US-09-907-942-236  | Sequence 236, App  |
| 115 | 109   | 18.5 | 23  | 3 | US-10-680-755A-9   | Sequence 9, Appli  | 188 | 100.5 | 17.1 | 350 | 3 | US-09-906-815C-236 | Sequence 8, Appli  |
| 116 | 107.5 | 18.3 | 224 | 2 | US-09-161-241-14   | Sequence 14, Appli | 189 | 100.5 | 17.1 | 350 | 3 | US-10-063-510-8    | Sequence 8, Appli  |
| 117 | 107.5 | 18.3 | 224 | 3 | US-09-972-473-5    | Sequence 5, Appli  | 190 | 100.5 | 17.1 | 350 | 3 | US-10-223-081-50   | Sequence 50, Appli |
| 118 | 107.5 | 18.3 | 350 | 3 | US-09-972-473-38   | Sequence 38, Appli | 191 | 100.5 | 17.1 | 350 | 3 | US-10-063-741-8    | Sequence 8, Appli  |
| 119 | 102   | 17.3 | 179 | 3 | US-09-972-473-11   | Sequence 11, Appli | 192 | 100.5 | 17.1 | 350 | 3 | US-10-063-584-8    | Sequence 8, Appli  |
| 120 | 102   | 17.3 | 186 | 2 | US-09-949-016-7146 | Sequence 7146, Ap  | 193 | 100.5 | 17.1 | 350 | 3 | US-10-223-087-50   | Sequence 50, Appli |
| 121 | 102   | 17.3 | 207 | 2 | US-09-161-241-13   | Sequence 13, Appli | 194 | 100.5 | 17.1 | 350 | 3 | US-09-903-749A-236 | Sequence 236, App  |
| 122 | 102   | 17.3 | 259 | 2 | US-09-161-241-12   | Sequence 12, Appli | 195 | 100.5 | 17.1 | 350 | 3 | US-09-904-532B-236 | Sequence 236, App  |
| 123 | 102   | 17.3 | 259 | 2 | US-09-949-016-6872 | Sequence 6872, Ap  | 196 | 100.5 | 17.1 | 350 | 3 | US-10-006-867-8    | Sequence 8, Appli  |
| 124 | 102   | 17.3 | 259 | 2 | US-10-012-231A-70  | Sequence 70, Appli | 197 | 100.5 | 17.1 | 350 | 3 | US-10-223-082-50   | Sequence 50, Appli |
| 125 | 102   | 17.3 | 259 | 2 | US-10-015-389A-70  | Sequence 70, Appli | 198 | 100.5 | 17.1 | 350 | 3 | US-10-223-084-50   | Sequence 50, Appli |
| 126 | 102   | 17.3 | 259 | 2 | US-10-006-768A-70  | Sequence 70, Appli | 199 | 100.5 | 17.1 | 350 | 3 | US-09-905-075-236  | Sequence 236, App  |
| 127 | 102   | 17.3 | 259 | 2 | US-10-015-671A-70  | Sequence 70, Appli | 200 | 100.5 | 17.1 | 350 | 3 | US-10-063-659-8    | Sequence 8, Appli  |
| 128 | 102   | 17.3 | 259 | 2 | US-10-015-933A-70  | Sequence 70, Appli | 201 | 100.5 | 17.1 | 350 | 3 | US-10-063-742-8    | Sequence 8, Appli  |
| 129 | 102   | 17.3 | 259 | 2 | US-10-011-833A-70  | Sequence 70, Appli | 202 | 100.5 | 17.1 | 350 | 3 | US-10-063-703-8    | Sequence 8, Appli  |
| 130 | 102   | 17.3 | 259 | 2 | US-10-006-041A-70  | Sequence 70, Appli | 203 | 100.5 | 17.1 | 350 | 3 | US-10-063-709-8    | Sequence 8, Appli  |
| 131 | 102   | 17.3 | 259 | 2 | US-10-012-064A-70  | Sequence 70, Appli | 204 | 100.5 | 17.1 | 350 | 3 | US-10-063-581-8    | Sequence 8, Appli  |
| 132 | 102   | 17.3 | 259 | 2 | US-10-015-392A-70  | Sequence 70, Appli | 205 | 100.5 | 17.1 | 350 | 3 | US-10-063-583-8    | Sequence 8, Appli  |
| 133 | 102   | 17.3 | 259 | 3 | US-10-011-795B-70  | Sequence 70, Appli | 206 | 100.5 | 17.1 | 350 | 3 | US-10-063-593-8    | Sequence 8, Appli  |
| 134 | 102   | 17.3 | 259 | 3 | US-10-015-386A-70  | Sequence 70, Appli | 207 | 100.5 | 17.1 | 350 | 3 | US-10-063-599-8    | Sequence 8, Appli  |
| 135 | 102   | 17.3 | 259 | 3 | US-10-012-121A-70  | Sequence 70, Appli | 208 | 100.5 | 17.1 | 350 | 3 | US-10-063-646-8    | Sequence 8, Appli  |
| 136 | 102   | 17.3 | 259 | 3 | US-10-006-485A-70  | Sequence 70, Appli | 209 | 100.5 | 17.1 | 350 | 3 | US-10-063-660-8    | Sequence 8, Appli  |
| 137 | 102   | 17.3 | 259 | 3 | US-10-006-746A-70  | Sequence 70, Appli | 210 | 100.5 | 17.1 | 350 | 3 | US-10-063-647-8    | Sequence 8, Appli  |
| 138 | 102   | 17.3 | 259 | 3 | US-10-012-752A-70  | Sequence 70, Appli | 211 | 100.5 | 17.1 | 350 | 3 | US-10-063-661-8    | Sequence 8, Appli  |
| 139 | 102   | 17.3 | 259 | 3 | US-10-017-253A-70  | Sequence 70, Appli | 212 | 100.5 | 17.1 | 350 | 3 | US-10-063-651-8    | Sequence 8, Appli  |
| 140 | 102   | 17.3 | 259 | 3 | US-10-015-519A-70  | Sequence 70, Appli | 213 | 100.5 | 17.1 | 350 | 3 | US-10-063-530-8    | Sequence 8, Appli  |
| 141 | 102   | 17.3 | 259 | 3 | US-10-015-715A-70  | Sequence 70, Appli | 214 | 100.5 | 17.1 | 350 | 3 | US-10-063-540-8    | Sequence 8, Appli  |
| 142 | 102   | 17.3 | 259 | 3 | US-10-007-236A-70  | Sequence 70, Appli | 215 | 100.5 | 17.1 | 350 | 3 | US-10-063-648-8    | Sequence 8, Appli  |
| 143 | 102   | 17.3 | 259 | 3 | US-10-012-149A-70  | Sequence 70, Appli | 216 | 100.5 | 17.1 | 350 | 3 | US-10-063-657-8    | Sequence 8, Appli  |
| 144 | 102   | 17.3 | 259 | 3 | US-10-007-194A-70  | Sequence 70, Appli | 217 | 100.5 | 17.1 | 350 | 3 | US-10-063-702-8    | Sequence 8, Appli  |
| 145 | 102   | 17.3 | 259 | 3 | US-10-013-910A-70  | Sequence 70, Appli | 218 | 100.5 | 17.1 | 350 | 3 | US-10-063-529-8    | Sequence 8, Appli  |
| 146 | 102   | 17.3 | 259 | 3 | US-10-006-117A-70  | Sequence 70, Appli | 219 | 100.5 | 17.1 | 350 | 3 | US-10-063-644-8    | Sequence 8, Appli  |
| 147 | 102   | 17.3 | 259 | 3 | US-10-015-480A-70  | Sequence 70, Appli | 220 | 100.5 | 17.1 | 350 | 3 | US-10-063-585-8    | Sequence 8, Appli  |
| 148 | 102   | 17.3 | 259 | 3 | US-10-006-172A-70  | Sequence 70, Appli | 221 | 100.5 | 17.1 | 350 | 3 | US-10-063-591A-8   | Sequence 8, Appli  |
| 149 | 102   | 17.3 | 259 | 3 | US-10-015-395A-70  | Sequence 70, Appli | 222 | 100.5 | 17.1 | 350 | 3 | US-10-063-516-8    | Sequence 8, Appli  |
| 150 | 102   | 17.3 | 259 | 3 | US-10-183-001-250  | Sequence 250, App  | 223 | 100.5 | 17.1 | 350 | 3 | US-10-063-532-8    | Sequence 8, Appli  |
| 151 | 102   | 17.3 | 259 | 3 | US-10-174-581-250  | Sequence 250, App  | 224 | 100.5 | 17.1 | 350 | 3 | US-10-063-654-8    | Sequence 8, Appli  |
| 152 | 102   | 17.3 | 259 | 3 | US-10-180-998-250  | Sequence 250, App  | 225 | 100.5 | 17.1 | 350 | 3 | US-10-063-582-8    | Sequence 8, Appli  |
| 153 | 102   | 17.3 | 259 | 3 | US-10-201-769-250  | Sequence 250, App  | 226 | 100.5 | 17.1 | 350 | 3 | US-10-063-524-8    | Sequence 8, Appli  |
| 154 | 102   | 17.3 | 259 | 3 | US-10-006-130A-70  | Sequence 70, Appli | 227 | 100.5 | 17.1 | 350 | 3 | US-09-903-640A-236 | Sequence 236, App  |
| 155 | 102   | 17.3 | 259 | 3 | US-10-174-576-250  | Sequence 250, App  | 228 | 100.5 | 17.1 | 350 | 3 | US-10-448-580-236  | Sequence 236, App  |
| 156 | 102   | 17.3 | 259 | 3 | US-10-174-581-250  | Sequence 250, App  | 229 | 100.5 | 17.1 | 350 | 3 | US-10-972-317-8    | Sequence 8, Appli  |
| 157 | 102   | 17.3 | 259 | 3 | US-10-015-869A-70  | Sequence 70, Appli | 230 | 100.5 | 17.1 | 350 | 3 | US-10-063-551-8    | Sequence 8, Appli  |
| 158 | 102   | 17.3 | 259 | 3 | US-10-207-916-250  | Sequence 250, App  | 231 | 100.5 | 17.1 | 350 | 3 | US-10-063-650-8    | Sequence 8, Appli  |
| 159 | 102   | 17.3 | 259 | 3 | US-10-174-583-250  | Sequence 250, App  | 232 | 100.5 | 17.1 | 350 | 3 | US-10-063-523-8    | Sequence 8, Appli  |
| 160 | 102   | 17.3 | 259 | 3 | US-10-187-745-250  | Sequence 250, App  | 233 | 100.5 | 17.1 | 350 | 3 | US-10-063-582A-8   | Sequence 8, Appli  |
| 161 | 102   | 17.3 | 263 | 3 | US-09-972-473-21   | Sequence 21, Appli | 234 | 100.5 | 17.1 | 350 | 3 | US-10-063-705-8    | Sequence 8, Appli  |
| 162 | 101   | 17.1 | 259 | 2 | US-09-161-241-11   | Sequence 11, Appli | 235 | 100.5 | 17.1 | 350 | 3 | US-10-963-467-236  | Sequence 236, App  |
| 163 | 101   | 17.1 | 272 | 3 | US-09-972-473-36   | Sequence 36, Appli | 236 | 100.5 | 17.1 | 350 | 3 | US-10-063-598-8    | Sequence 8, Appli  |
| 164 | 100.5 | 17.1 | 215 | 2 | US-10-104-047-2196 | Sequence 2196, Ap  | 237 | 100.5 | 17.1 | 350 | 3 | US-10-063-554-8    | Sequence 8, Appli  |
| 165 | 100.5 | 17.1 | 350 | 2 | US-09-161-241-9    | Sequence 9, Appli  | 238 | 100.5 | 17.1 | 350 | 3 | US-10-063-597-8    | Sequence 8, Appli  |
| 166 | 100.5 | 17.1 | 350 | 2 | US-09-907-794A-236 | Sequence 236, App  | 239 | 100.5 | 17.1 | 350 | 3 | US-10-063-600-8    | Sequence 8, Appli  |
| 167 | 100.5 | 17.1 | 350 | 2 | US-09-905-125A-236 | Sequence 236, App  | 240 | 100.5 | 17.1 | 350 | 3 | US-10-063-652A-8   | Sequence 8, Appli  |
| 168 | 100.5 | 17.1 | 350 | 2 | US-09-902-775A-236 | Sequence 236, App  | 241 | 100.5 | 17.1 | 350 | 3 | US-10-063-602-8    | Sequence 8, Appli  |
| 169 | 100.5 | 17.1 | 350 | 2 | US-09-906-700-236  | Sequence 236, App  | 242 | 100.5 | 17.1 | 350 | 3 | US-10-063-560-8    | Sequence 8, Appli  |
| 170 | 100.5 | 17.1 | 350 | 2 | US-09-903-603A-236 | Sequence 236, App  | 243 | 100.5 | 17.1 | 350 | 3 | US-10-063-517-8    | Sequence 8, Appli  |
| 171 | 100.5 | 17.1 | 350 | 2 | US-09-904-920A-236 | Sequence 236, App  | 244 | 100.5 | 17.1 | 350 | 3 | US-10-063-548-8    | Sequence 8, Appli  |
| 172 | 100.5 | 17.1 | 350 | 2 | US-09-909-064-236  | Sequence 236, App  | 245 | 100.5 | 17.1 | 350 | 3 | US-10-063-548-8    | Sequence 8, Appli  |



|     |       |      |      |   |                     |                    |     |      |      |      |   |                      |                    |
|-----|-------|------|------|---|---------------------|--------------------|-----|------|------|------|---|----------------------|--------------------|
| 246 | 100.5 | 17.1 | 350  | 3 | US-10-063-553-8     | Sequence 8, Appli  | 319 | 79   | 13.4 | 124  | 2 | US-09-949-016-11293  | Sequence 11293, A  |
| 247 | 100.5 | 17.1 | 350  | 3 | US-10-063-653A-8    | Sequence 8, Appli  | 320 | 79   | 13.4 | 1664 | 3 | US-10-055-877-212    | Sequence 212, App  |
| 248 | 100.5 | 17.1 | 350  | 3 | US-10-448-923-236   | Sequence 236, App  | 321 | 78.5 | 13.3 | 163  | 1 | US-08-219-237B-5     | Sequence 5, Appli  |
| 249 | 100.5 | 17.1 | 350  | 3 | US-10-063-595-8     | Sequence 8, Appli  | 322 | 78.5 | 13.3 | 163  | 2 | US-08-477-347-13     | Sequence 13, Appli |
| 250 | 100.5 | 17.1 | 350  | 3 | US-10-063-587-8     | Sequence 8, Appli  | 323 | 78.5 | 13.3 | 163  | 2 | US-08-476-862-4      | Sequence 4, Appli  |
| 251 | 100.5 | 17.1 | 350  | 3 | US-10-063-586-8     | Sequence 8, Appli  | 324 | 78.5 | 13.3 | 163  | 2 | US-08-468-560C-5     | Sequence 5, Appli  |
| 252 | 100.5 | 17.1 | 350  | 3 | US-10-223-090-50    | Sequence 50, Appli | 325 | 78.5 | 13.3 | 163  | 2 | US-08-800-909-4      | Sequence 4, Appli  |
| 253 | 100.5 | 17.1 | 375  | 2 | US-09-949-016-7856  | Sequence 7856, Ap  | 326 | 78.5 | 13.3 | 163  | 2 | US-09-800-908-13     | Sequence 13, Appli |
| 254 | 100.5 | 17.1 | 375  | 2 | US-09-949-016-7857  | Sequence 7857, Ap  | 327 | 78.5 | 13.3 | 163  | 2 | US-09-884-987-5      | Sequence 5, Appli  |
| 255 | 100.5 | 17.1 | 375  | 2 | US-09-949-016-7858  | Sequence 7858, Ap  | 328 | 77   | 13.1 | 145  | 3 | US-10-703-032-196520 | Sequence 196520,   |
| 256 | 98.5  | 16.7 | 349  | 3 | US-09-161-241-8     | Sequence 8, Appli  | 329 | 76   | 12.9 | 14   | 3 | US-10-323-157A-19    | Sequence 19, Appli |
| 257 | 98.5  | 16.7 | 349  | 3 | US-09-972-473-17    | Sequence 17, Appli | 330 | 76   | 12.9 | 14   | 3 | US-10-811-328-19     | Sequence 19, Appli |
| 258 | 97    | 16.5 | 266  | 2 | US-09-161-241-10    | Sequence 10, Appli | 331 | 75.5 | 12.8 | 1101 | 2 | US-09-561-709B-5     | Sequence 5, Appli  |
| 259 | 97    | 16.5 | 266  | 2 | US-09-976-594-1086  | Sequence 1086, Ap  | 332 | 75.5 | 12.8 | 1574 | 3 | US-10-055-877-211    | Sequence 211, App  |
| 260 | 97    | 16.5 | 266  | 2 | US-09-999-833A-456  | Sequence 456, App  | 333 | 75.5 | 12.8 | 1761 | 2 | US-09-561-709B-1     | Sequence 1, Appli  |
| 261 | 97    | 16.5 | 266  | 2 | US-10-020-445A-456  | Sequence 456, App  | 334 | 75   | 12.7 | 546  | 2 | US-09-949-016-10394  | Sequence 10394, A  |
| 262 | 97    | 16.5 | 266  | 2 | US-09-978-189-456   | Sequence 456, App  | 335 | 75   | 12.7 | 651  | 1 | US-08-264-101-2      | Sequence 2, Appli  |
| 263 | 97    | 16.5 | 266  | 2 | US-10-017-085A-456  | Sequence 456, App  | 336 | 75   | 12.7 | 651  | 1 | US-08-765-243-2      | Sequence 2, Appli  |
| 264 | 97    | 16.5 | 266  | 3 | US-10-145-129A-456  | Sequence 456, App  | 337 | 75   | 12.7 | 651  | 5 | PCT-US95-07295-2     | Sequence 2, Appli  |
| 265 | 97    | 16.5 | 266  | 3 | US-10-013-929A-456  | Sequence 456, App  | 338 | 75   | 12.7 | 734  | 1 | US-08-765-243-8      | Sequence 8, Appli  |
| 266 | 97    | 16.5 | 266  | 3 | US-10-013-917A-456  | Sequence 456, App  | 339 | 75   | 12.7 | 734  | 5 | PCT-US95-07295-8     | Sequence 8, Appli  |
| 267 | 97    | 16.5 | 266  | 3 | US-10-013-925A-456  | Sequence 456, App  | 340 | 75   | 12.7 | 735  | 3 | US-10-232-972E-10    | Sequence 10, Appli |
| 268 | 97    | 16.5 | 266  | 3 | US-10-123-292-428   | Sequence 428, App  | 341 | 75   | 12.7 | 3075 | 1 | US-08-460-309-5      | Sequence 5, Appli  |
| 269 | 97    | 16.5 | 266  | 3 | US-09-972-473-8     | Sequence 8, Appli  | 342 | 75   | 12.7 | 3075 | 1 | US-08-125-077-5      | Sequence 5, Appli  |
| 270 | 97    | 16.5 | 266  | 3 | US-10-162-521A-456  | Sequence 456, App  | 343 | 74.5 | 12.6 | 451  | 2 | US-10-915-160-6      | Sequence 6, Appli  |
| 271 | 97    | 16.5 | 266  | 3 | US-10-145-016A-456  | Sequence 456, App  | 344 | 74   | 12.6 | 1620 | 3 | US-10-055-877-213    | Sequence 213, App  |
| 272 | 97    | 16.5 | 266  | 3 | US-10-013-926A-456  | Sequence 456, App  | 345 | 73   | 12.4 | 87   | 3 | US-09-972-473-25     | Sequence 25, Appli |
| 273 | 97    | 16.5 | 266  | 3 | US-10-152-398-428   | Sequence 428, App  | 346 | 73   | 12.4 | 163  | 2 | US-08-828-683A-13    | Sequence 13, Appli |
| 274 | 97    | 16.5 | 266  | 3 | US-10-162-522A-456  | Sequence 456, App  | 347 | 73   | 12.4 | 163  | 2 | US-09-523-323-54     | Sequence 54, Appli |
| 275 | 97    | 16.5 | 266  | 3 | US-10-123-907-428   | Sequence 428, App  | 348 | 73   | 12.4 | 164  | 1 | US-08-232-087A-9     | Sequence 9, Appli  |
| 276 | 97    | 16.5 | 266  | 3 | US-10-147-512-428   | Sequence 428, App  | 349 | 73   | 12.4 | 189  | 2 | US-09-422-680A-25    | Sequence 25, Appli |
| 277 | 97    | 16.5 | 266  | 3 | US-10-147-485-428   | Sequence 428, App  | 350 | 73   | 12.4 | 227  | 2 | US-08-974-022-48     | Sequence 48, Appli |
| 278 | 97    | 16.5 | 266  | 3 | US-10-124-814-428   | Sequence 428, App  | 351 | 73   | 12.4 | 227  | 2 | US-08-795-445A-48    | Sequence 48, Appli |
| 279 | 97    | 16.5 | 266  | 3 | US-10-143-029A-456  | Sequence 456, App  | 352 | 73   | 12.4 | 227  | 2 | US-08-795-447A-48    | Sequence 48, Appli |
| 280 | 97    | 16.5 | 266  | 3 | US-10-124-822-428   | Sequence 428, App  | 353 | 73   | 12.4 | 227  | 2 | US-08-974-186-48     | Sequence 48, Appli |
| 281 | 97    | 16.5 | 266  | 3 | US-10-165-247A-456  | Sequence 456, App  | 354 | 73   | 12.4 | 227  | 2 | US-08-795-446B-48    | Sequence 48, Appli |
| 282 | 97    | 16.5 | 266  | 3 | US-10-017-086A-456  | Sequence 456, App  | 355 | 73   | 12.4 | 227  | 2 | US-08-706-945D-134   | Sequence 134, App  |
| 283 | 97    | 16.5 | 266  | 3 | US-09-999-832A-456  | Sequence 456, App  | 356 | 73   | 12.4 | 227  | 3 | US-08-577-788C-48    | Sequence 48, Appli |
| 284 | 97    | 16.5 | 266  | 3 | US-10-131-833A-428  | Sequence 428, App  | 357 | 73   | 12.4 | 227  | 3 | US-09-613-591F-131   | Sequence 131, App  |
| 285 | 97    | 16.5 | 266  | 3 | US-10-142-419-428   | Sequence 428, App  | 358 | 73   | 12.4 | 235  | 2 | US-09-326-394-4      | Sequence 4, Appli  |
| 286 | 97    | 16.5 | 266  | 3 | US-10-152-375-428   | Sequence 428, App  | 359 | 73   | 12.4 | 235  | 2 | US-09-580-235-2      | Sequence 2, Appli  |
| 287 | 97    | 16.5 | 266  | 3 | US-10-143-031A-456  | Sequence 456, App  | 360 | 73   | 12.4 | 235  | 2 | US-09-580-235-4      | Sequence 4, Appli  |
| 288 | 97    | 16.5 | 266  | 3 | US-10-131-818A-428  | Sequence 428, App  | 361 | 73   | 12.4 | 235  | 2 | US-09-580-235-6      | Sequence 6, Appli  |
| 289 | 97    | 16.5 | 266  | 3 | US-10-013-923A-456  | Sequence 456, App  | 362 | 73   | 12.4 | 235  | 2 | US-09-580-235-8      | Sequence 8, Appli  |
| 290 | 97    | 16.5 | 266  | 3 | US-10-013-927A-456  | Sequence 456, App  | 363 | 73   | 12.4 | 235  | 2 | US-09-580-181-2      | Sequence 2, Appli  |
| 291 | 97    | 16.5 | 266  | 3 | US-10-145-873-428   | Sequence 428, App  | 364 | 73   | 12.4 | 235  | 2 | US-09-580-181-4      | Sequence 4, Appli  |
| 292 | 97    | 16.5 | 266  | 3 | US-10-152-395-428   | Sequence 428, App  | 365 | 73   | 12.4 | 235  | 2 | US-09-580-181-6      | Sequence 6, Appli  |
| 293 | 97    | 16.5 | 266  | 3 | US-10-131-822A-428  | Sequence 428, App  | 366 | 73   | 12.4 | 235  | 2 | US-09-580-181-8      | Sequence 8, Appli  |
| 294 | 97    | 16.5 | 266  | 3 | US-10-142-763-428   | Sequence 428, App  | 367 | 73   | 12.4 | 235  | 2 | US-09-102-530-2      | Sequence 2, Appli  |
| 295 | 97    | 16.5 | 266  | 3 | US-10-128-694A-428  | Sequence 428, App  | 368 | 73   | 12.4 | 235  | 2 | US-09-102-530-4      | Sequence 4, Appli  |
| 296 | 97    | 16.5 | 266  | 3 | US-10-123-213-428   | Sequence 428, App  | 369 | 73   | 12.4 | 235  | 2 | US-09-102-530-6      | Sequence 6, Appli  |
| 297 | 97    | 16.5 | 266  | 3 | US-10-123-909-428   | Sequence 428, App  | 370 | 73   | 12.4 | 235  | 2 | US-09-102-530-8      | Sequence 8, Appli  |
| 298 | 97    | 16.5 | 266  | 3 | US-10-145-087A-456  | Sequence 456, App  | 371 | 73   | 12.4 | 235  | 2 | US-09-882-735A-16    | Sequence 16, Appli |
| 299 | 97    | 16.5 | 266  | 3 | US-09-978-564A-456  | Sequence 456, App  | 372 | 73   | 12.4 | 235  | 3 | US-10-243-230-2      | Sequence 2, Appli  |
| 300 | 97    | 16.5 | 266  | 3 | US-09-978-375A-456  | Sequence 456, App  | 373 | 73   | 12.4 | 235  | 3 | US-10-243-230-4      | Sequence 4, Appli  |
| 301 | 97    | 16.5 | 266  | 3 | US-10-165-353A-456  | Sequence 456, App  | 374 | 73   | 12.4 | 235  | 3 | US-10-243-230-6      | Sequence 6, Appli  |
| 302 | 97    | 16.5 | 266  | 3 | US-10-143-030A-456  | Sequence 456, App  | 375 | 73   | 12.4 | 235  | 3 | US-10-243-230-8      | Sequence 8, Appli  |
| 303 | 97    | 16.5 | 266  | 3 | US-10-131-826A-428  | Sequence 428, App  | 376 | 73   | 12.4 | 257  | 2 | US-09-573-845-10     | Sequence 10, Appli |
| 304 | 97    | 16.5 | 266  | 3 | US-10-145-089A-456  | Sequence 456, App  | 377 | 73   | 12.4 | 439  | 2 | US-10-360-101-226    | Sequence 226, App  |
| 305 | 97    | 16.5 | 266  | 3 | US-10-170-481A-456  | Sequence 456, App  | 378 | 73   | 12.4 | 461  | 1 | US-08-385-229-2      | Sequence 2, Appli  |
| 306 | 97    | 16.5 | 266  | 3 | US-10-147-513-428   | Sequence 428, App  | 379 | 73   | 12.4 | 461  | 1 | US-08-650-000-2      | Sequence 2, Appli  |
| 307 | 97    | 16.5 | 266  | 3 | US-10-121-043-428   | Sequence 428, App  | 380 | 73   | 12.4 | 461  | 2 | US-09-042-785A-7     | Sequence 7, Appli  |
| 308 | 97    | 16.5 | 266  | 3 | US-10-160-502A-456  | Sequence 456, App  | 381 | 73   | 12.4 | 461  | 2 | US-08-477-347-3      | Sequence 3, Appli  |
| 309 | 97    | 16.5 | 266  | 3 | US-10-139-980-428   | Sequence 428, App  | 382 | 73   | 12.4 | 461  | 2 | US-09-006-353A-4     | Sequence 4, Appli  |
| 310 | 95.5  | 16.2 | 259  | 3 | US-09-972-473-37    | Sequence 37, Appli | 383 | 73   | 12.4 | 461  | 2 | US-08-476-862-2      | Sequence 2, Appli  |
| 311 | 91    | 15.4 | 19   | 3 | US-10-323-157A-9    | Sequence 9, Appli  | 384 | 73   | 12.4 | 461  | 2 | US-09-573-986-4      | Sequence 4, Appli  |
| 312 | 91    | 15.4 | 19   | 3 | US-10-811-328-9     | Sequence 9, Appli  | 385 | 73   | 12.4 | 461  | 2 | US-08-406-824A-2     | Sequence 2, Appli  |
| 313 | 83.5  | 14.2 | 508  | 2 | US-10-915-160-2     | Sequence 2, Appli  | 386 | 73   | 12.4 | 461  | 2 | US-09-800-909-2      | Sequence 2, Appli  |
| 314 | 82    | 13.9 | 1342 | 2 | US-09-561-709B-13   | Sequence 13, Appli | 387 | 73   | 12.4 | 461  | 2 | US-09-758-124-2      | Sequence 2, Appli  |
| 315 | 81.5  | 13.8 | 425  | 3 | US-10-108-260A-4381 | Sequence 4381, Ap  | 388 | 73   | 12.4 | 461  | 2 | US-09-800-908-3      | Sequence 3, Appli  |
| 316 | 81.5  | 13.8 | 446  | 2 | US-10-104-047-2665  | Sequence 2665, Ap  | 389 | 73   | 12.4 | 461  | 2 | US-09-896-096A-17    | Sequence 17, Appli |
| 317 | 81    | 13.8 | 1964 | 2 | US-09-467-997-1     | Sequence 1, Appli  | 390 | 73   | 12.4 | 461  | 2 | US-09-949-016-6019   | Sequence 6019, Ap  |
| 318 | 79.5  | 13.5 | 446  | 3 | US-10-108-260A-3580 | Sequence 3580, Ap  | 391 | 73   | 12.4 | 461  | 2 | US-10-046-433-6      | Sequence 6, Appli  |

|     |      |      |      |   |                      |                    |     |      |      |      |   |                      |                   |
|-----|------|------|------|---|----------------------|--------------------|-----|------|------|------|---|----------------------|-------------------|
| 392 | 73   | 12.4 | 461  | 3 | US-09-826-212A-4     | Sequence 4, Appli  | 465 | 71   | 12.1 | 593  | 2 | US-09-456-886-17     | Sequence 17, Appl |
| 393 | 73   | 12.4 | 461  | 3 | US-10-420-785A-2     | Sequence 2, Appli  | 466 | 71   | 12.1 | 593  | 2 | US-09-824-647-17     | Sequence 17, Appl |
| 394 | 73   | 12.4 | 461  | 3 | US-09-526-437-5      | Sequence 5, Appli  | 467 | 71   | 12.1 | 593  | 2 | US-09-880-842-17     | Sequence 17, Appl |
| 395 | 73   | 12.4 | 461  | 3 | US-08-469-637A-3     | Sequence 3, Appli  | 468 | 71   | 12.1 | 593  | 2 | US-10-281-160-17     | Sequence 17, Appl |
| 396 | 73   | 12.4 | 461  | 3 | US-10-411-037-32     | Sequence 32, Appl  | 469 | 71   | 12.1 | 593  | 2 | PCT-US91-02321-4     | Sequence 4, Appli |
| 397 | 73   | 12.4 | 461  | 3 | US-10-287-994-32     | Sequence 32, Appl  | 470 | 71   | 12.1 | 613  | 2 | US-09-949-016-9775   | Sequence 9775, Ap |
| 398 | 73   | 12.4 | 461  | 3 | US-10-775-204-462    | Sequence 462, App  | 471 | 71   | 12.1 | 1587 | 2 | US-09-845-583A-10    | Sequence 10, Appl |
| 399 | 73   | 12.4 | 461  | 3 | US-10-775-204-467    | Sequence 467, App  | 472 | 71   | 12.1 | 1587 | 2 | US-09-561-709B-3     | Sequence 3, Appli |
| 400 | 73   | 12.4 | 461  | 3 | US-10-410-997-32     | Sequence 32, Appl  | 473 | 70   | 11.9 | 841  | 3 | US-09-897-427A-2     | Sequence 2, Appli |
| 401 | 73   | 12.4 | 461  | 3 | US-10-410-962-32     | Sequence 32, Appl  | 474 | 70   | 11.9 | 841  | 3 | US-10-770-127-197    | Sequence 197, App |
| 402 | 73   | 12.4 | 461  | 3 | US-10-410-897A-32    | Sequence 32, Appl  | 475 | 70   | 11.9 | 841  | 3 | US-10-726-568-17     | Sequence 17, Appl |
| 403 | 73   | 12.4 | 461  | 3 | US-09-518-931-6      | Sequence 6, Appli  | 476 | 70   | 11.9 | 841  | 3 | US-10-035-045A-17    | Sequence 17, Appl |
| 404 | 73   | 12.4 | 461  | 3 | US-10-775-180-152    | Sequence 152, App  | 477 | 70   | 11.9 | 841  | 3 | US-09-799-629-17     | Sequence 17, Appl |
| 405 | 73   | 12.4 | 461  | 3 | US-10-775-180-155    | Sequence 155, App  | 478 | 69.5 | 11.8 | 179  | 1 | US-09-894-882-265    | Sequence 265, App |
| 406 | 73   | 12.4 | 461  | 3 | US-10-410-945A-32    | Sequence 32, Appl  | 479 | 69.5 | 11.8 | 179  | 1 | US-07-668-648-8      | Sequence 8, Appli |
| 407 | 73   | 12.4 | 461  | 3 | US-10-410-930A-32    | Sequence 32, Appl  | 480 | 69.5 | 11.8 | 179  | 1 | US-08-429-998-8      | Sequence 8, Appli |
| 408 | 73   | 12.4 | 461  | 3 | US-11-393-893-152    | Sequence 152, App  | 481 | 69.5 | 11.8 | 179  | 5 | PCT-US91-02321-8     | Sequence 8, Appli |
| 409 | 73   | 12.4 | 461  | 3 | US-11-393-893-155    | Sequence 155, App  | 482 | 69.5 | 11.8 | 3907 | 2 | US-10-029-217A-24    | Sequence 24, Appl |
| 410 | 73   | 12.4 | 461  | 3 | US-11-429-373-462    | Sequence 462, App  | 483 | 69.5 | 11.8 | 4545 | 3 | US-09-750-972-2      | Sequence 2, Appli |
| 411 | 73   | 12.4 | 461  | 3 | US-11-429-373-467    | Sequence 467, App  | 484 | 69.5 | 11.8 | 4545 | 3 | US-09-625-137B-2     | Sequence 2, Appli |
| 412 | 73   | 12.4 | 461  | 7 | 5395760-2            | Patent No. 5395760 | 485 | 69.5 | 11.7 | 3712 | 2 | US-10-037-417-48     | Sequence 48, Appl |
| 413 | 73   | 12.4 | 471  | 3 | US-10-966-673-66     | Sequence 66, Appl  | 486 | 69   | 11.7 | 3712 | 2 | US-10-037-417-51     | Sequence 51, Appl |
| 414 | 73   | 12.4 | 471  | 3 | US-10-966-673-67     | Sequence 67, Appl  | 487 | 69   | 11.7 | 69   | 2 | US-09-894-882-271    | Sequence 271, App |
| 415 | 73   | 12.4 | 471  | 3 | US-10-966-673-68     | Sequence 68, Appl  | 488 | 68.5 | 11.6 | 92   | 3 | US-10-703-032-141854 | Sequence 141854,  |
| 416 | 73   | 12.4 | 486  | 1 | US-08-243-010-1      | Sequence 1, Appli  | 489 | 68.5 | 11.6 | 728  | 2 | US-09-908-322-2      | Sequence 2, Appli |
| 417 | 73   | 12.4 | 490  | 3 | US-10-363-427-4      | Sequence 4, Appli  | 490 | 68.5 | 11.6 | 728  | 2 | US-09-908-322-2      | Sequence 2, Appli |
| 418 | 73   | 12.4 | 491  | 2 | US-09-949-016-7840   | Sequence 7840, Ap  | 491 | 68.5 | 11.6 | 728  | 2 | US-09-310-685-11     | Sequence 11, Appl |
| 419 | 73   | 12.4 | 501  | 3 | US-09-285-531A-2     | Sequence 2, Appli  | 492 | 68.5 | 11.6 | 728  | 2 | US-09-783-931C-2     | Sequence 2, Appli |
| 420 | 73   | 12.4 | 518  | 1 | US-08-385-229-4      | Sequence 4, Appli  | 493 | 68.5 | 11.6 | 729  | 2 | US-08-872-855-8      | Sequence 8, Appli |
| 421 | 73   | 12.4 | 518  | 2 | US-09-579-845-1      | Sequence 1, Appli  | 494 | 68.5 | 11.6 | 1172 | 3 | US-10-296-733A-24    | Sequence 24, Appl |
| 422 | 73   | 12.4 | 518  | 2 | US-09-579-845-3      | Sequence 3, Appli  | 495 | 68.5 | 11.6 | 1172 | 3 | US-09-489-847-189    | Sequence 189, App |
| 423 | 73   | 12.4 | 518  | 3 | US-10-423-507-1      | Sequence 1, Appli  | 496 | 68   | 11.5 | 122  | 2 | US-08-219-237B-6     | Sequence 6, Appli |
| 424 | 73   | 12.4 | 659  | 3 | US-10-363-427-8      | Sequence 12, Appl  | 497 | 68   | 11.5 | 159  | 1 | US-08-477-347-15     | Sequence 15, Appl |
| 425 | 73   | 12.4 | 720  | 3 | US-10-363-427-8      | Sequence 8, Appli  | 498 | 68   | 11.5 | 159  | 2 | US-08-476-862-6      | Sequence 6, Appli |
| 426 | 73   | 12.4 | 844  | 3 | US-10-775-204-246    | Sequence 246, App  | 499 | 68   | 11.5 | 159  | 2 | US-08-468-560C-6     | Sequence 6, Appli |
| 427 | 73   | 12.4 | 844  | 3 | US-10-775-204-251    | Sequence 251, App  | 500 | 68   | 11.5 | 159  | 2 | US-08-828-683A-16    | Sequence 16, Appl |
| 428 | 73   | 12.4 | 844  | 3 | US-10-775-180-86     | Sequence 86, Appl  | 501 | 68   | 11.5 | 159  | 2 | US-09-909-6          | Sequence 6, Appli |
| 429 | 73   | 12.4 | 844  | 3 | US-10-775-180-86     | Sequence 86, Appl  | 502 | 68   | 11.5 | 159  | 2 | US-09-800-908-15     | Sequence 15, Appl |
| 430 | 73   | 12.4 | 844  | 3 | US-11-393-893-83     | Sequence 83, Appl  | 503 | 68   | 11.5 | 159  | 2 | US-09-884-987-6      | Sequence 6, Appli |
| 431 | 73   | 12.4 | 844  | 3 | US-11-393-893-86     | Sequence 86, Appl  | 504 | 68   | 11.5 | 159  | 2 | US-08-974-186-50     | Sequence 50, Appl |
| 432 | 73   | 12.4 | 844  | 3 | US-11-429-373-246    | Sequence 246, App  | 505 | 68   | 11.5 | 224  | 2 | US-08-795-447A-50    | Sequence 50, Appl |
| 433 | 73   | 12.4 | 844  | 3 | US-11-429-373-251    | Sequence 251, App  | 506 | 68   | 11.5 | 224  | 2 | US-08-795-446B-50    | Sequence 50, Appl |
| 434 | 72.5 | 12.3 | 197  | 3 | US-10-703-032-156619 | Sequence 156619,   | 507 | 68   | 11.5 | 224  | 2 | US-08-706-945D-137   | Sequence 137, App |
| 435 | 72.5 | 12.3 | 1935 | 2 | US-09-949-016-10403  | Sequence 10403, A  | 508 | 68   | 11.5 | 224  | 2 | US-08-577-788C-51    | Sequence 51, Appl |
| 436 | 72.5 | 12.3 | 2871 | 2 | US-09-538-092-1076   | Sequence 1076, Ap  | 509 | 68   | 11.5 | 224  | 2 | US-09-613-591F-134   | Sequence 134, App |
| 437 | 72   | 12.2 | 63   | 2 | US-09-894-882-347    | Sequence 347, App  | 510 | 68   | 11.5 | 317  | 2 | US-09-383-596-20     | Sequence 20, Appl |
| 438 | 72   | 12.2 | 74   | 2 | US-10-178-213-2      | Sequence 2, Appli  | 511 | 68   | 11.5 | 317  | 2 | US-09-823-038A-20    | Sequence 20, Appl |
| 439 | 72   | 12.2 | 101  | 2 | US-09-950-933A-88    | Sequence 88, Appl  | 512 | 68   | 11.5 | 317  | 2 | US-09-086-483A-4     | Sequence 4, Appli |
| 440 | 72   | 12.2 | 101  | 3 | US-10-976-102-88     | Sequence 88, Appl  | 513 | 68   | 11.5 | 427  | 2 | US-09-041-886-2      | Sequence 2, Appli |
| 441 | 71.5 | 12.1 | 453  | 2 | US-09-171-461-48     | Sequence 48, Appl  | 514 | 68   | 11.5 | 427  | 2 | US-09-006-353A-5     | Sequence 5, Appli |
| 442 | 71.5 | 12.1 | 453  | 2 | US-09-970-711-48     | Sequence 48, Appl  | 515 | 68   | 11.5 | 427  | 2 | US-09-573-986-5      | Sequence 5, Appli |
| 443 | 71.5 | 12.1 | 470  | 2 | US-10-915-160-4      | Sequence 4, Appli  | 516 | 68   | 11.5 | 427  | 2 | US-09-580-212-4      | Sequence 4, Appli |
| 444 | 71.5 | 12.1 | 575  | 2 | US-09-949-016-11264  | Sequence 11264, A  | 517 | 68   | 11.5 | 427  | 2 | US-09-769-402-4      | Sequence 4, Appli |
| 445 | 71.5 | 12.1 | 575  | 2 | US-09-949-016-11265  | Sequence 11265, A  | 518 | 68   | 11.5 | 427  | 2 | US-09-748-537-13     | Sequence 13, Appl |
| 446 | 71.5 | 12.1 | 575  | 2 | US-09-949-016-11266  | Sequence 11266, A  | 519 | 68   | 11.5 | 427  | 2 | US-09-748-537-13     | Sequence 13, Appl |
| 447 | 71.5 | 12.1 | 575  | 2 | US-09-949-016-11267  | Sequence 11267, A  | 520 | 68   | 11.5 | 427  | 2 | US-10-092-138A-24    | Sequence 24, Appl |
| 448 | 71.5 | 12.1 | 657  | 2 | US-09-949-016-11365  | Sequence 11365, A  | 521 | 68   | 11.5 | 427  | 2 | US-09-949-016-6233   | Sequence 6233, Ap |
| 449 | 71.5 | 12.1 | 657  | 2 | US-09-949-016-11366  | Sequence 11366, A  | 522 | 68   | 11.5 | 427  | 2 | US-08-681-219A-24    | Sequence 24, Appl |
| 450 | 71.5 | 12.1 | 657  | 2 | US-09-949-016-11367  | Sequence 11367, A  | 523 | 68   | 11.5 | 427  | 2 | US-10-280-047-4      | Sequence 4, Appli |
| 451 | 71.5 | 12.1 | 657  | 2 | US-09-949-016-11368  | Sequence 11368, A  | 524 | 68   | 11.5 | 427  | 2 | US-09-826-212A-5     | Sequence 5, Appli |
| 452 | 71.5 | 12.1 | 677  | 2 | US-09-949-016-11369  | Sequence 11369, A  | 525 | 68   | 11.5 | 427  | 3 | US-09-518-931-7      | Sequence 7, Appli |
| 453 | 71.5 | 12.1 | 677  | 2 | US-09-949-016-11370  | Sequence 11370, A  | 526 | 68   | 11.5 | 427  | 3 | US-09-518-931-7      | Sequence 7, Appli |
| 454 | 71.5 | 12.1 | 677  | 2 | US-09-949-016-11371  | Sequence 11371, A  | 527 | 68   | 11.5 | 455  | 2 | US-09-756-854-4      | Sequence 4, Appli |
| 455 | 71.5 | 12.1 | 677  | 2 | US-09-949-016-11372  | Sequence 11372, A  | 528 | 68   | 11.5 | 455  | 2 | US-10-041-574-4      | Sequence 4, Appli |
| 456 | 71   | 12.1 | 94   | 2 | US-09-950-933A-44    | Sequence 44, Appl  | 529 | 68   | 11.5 | 455  | 2 | US-09-095-094-4      | Sequence 4, Appli |
| 457 | 71   | 12.1 | 94   | 3 | US-10-976-102-44     | Sequence 44, Appl  | 530 | 68   | 11.5 | 455  | 2 | US-09-949-016-9441   | Sequence 9441, Ap |
| 458 | 71   | 12.1 | 98   | 2 | US-09-950-933A-50    | Sequence 50, Appl  | 531 | 68   | 11.5 | 464  | 2 | US-09-252-991A-19884 | Sequence 19884, A |
| 459 | 71   | 12.1 | 98   | 3 | US-10-976-102-50     | Sequence 50, Appl  | 532 | 68   | 11.5 | 483  | 2 | US-09-252-991A-19884 | Sequence 46, Appl |
| 460 | 71   | 12.1 | 593  | 1 | US-07-668-648-4      | Sequence 4, Appli  | 533 | 68   | 11.5 | 1398 | 3 | US-10-055-877-46     | Sequence 52, Appl |
| 461 | 71   | 12.1 | 593  | 1 | US-08-429-998-4      | Sequence 4, Appli  | 534 | 68   | 11.5 | 1403 | 3 | US-10-055-877-52     | Sequence 52, Appl |
| 462 | 71   | 12.1 | 593  | 1 | US-08-431-333-4      | Sequence 4, Appli  | 535 | 68   | 11.5 | 1403 | 3 | US-10-055-877-44     | Sequence 44, Appl |
| 463 | 71   | 12.1 | 593  | 2 | US-08-591-862-17     | Sequence 17, Appl  | 536 | 68   | 11.5 | 1404 | 3 | US-10-055-877-54     | Sequence 54, Appl |
| 464 | 71   | 12.1 | 593  | 2 | US-09-813-156-17     | Sequence 17, Appl  | 537 | 68   | 11.5 | 1577 | 3 | US-10-055-877-54     | Sequence 54, Appl |

|     |      |      |      |   |                      |                    |     |      |      |     |   |                    |                    |
|-----|------|------|------|---|----------------------|--------------------|-----|------|------|-----|---|--------------------|--------------------|
| 538 | 67.5 | 11.5 | 69   | 2 | US-09-894-882-232    | Sequence 232, App  | 611 | 65.5 | 11.1 | 182 | 2 | US-10-104-047-3287 | Sequence 3287, App |
| 539 | 67.5 | 11.5 | 311  | 3 | US-10-703-032-122198 | Sequence 122198,   | 612 | 65.5 | 11.1 | 269 | 2 | US-10-012-231A-372 | Sequence 372, App  |
| 540 | 67.5 | 11.5 | 1480 | 2 | US-09-191-647-7      | Sequence 7, Appli  | 613 | 65.5 | 11.1 | 269 | 2 | US-10-015-389A-372 | Sequence 372, App  |
| 541 | 67.5 | 11.5 | 1480 | 2 | US-09-540-245A-7     | Sequence 7, Appli  | 614 | 65.5 | 11.1 | 269 | 2 | US-10-006-768A-372 | Sequence 372, App  |
| 542 | 67.5 | 11.5 | 1480 | 2 | US-09-540-153-7      | Sequence 7, Appli  | 615 | 65.5 | 11.1 | 269 | 2 | US-10-015-671A-372 | Sequence 372, App  |
| 543 | 67.5 | 11.5 | 1480 | 2 | US-09-182-024A-5     | Sequence 5, Appli  | 616 | 65.5 | 11.1 | 269 | 2 | US-10-015-393A-372 | Sequence 372, App  |
| 544 | 67.5 | 11.5 | 1480 | 2 | US-10-289-776-7      | Sequence 7, Appli  | 617 | 65.5 | 11.1 | 269 | 2 | US-10-011-833A-372 | Sequence 372, App  |
| 545 | 67.5 | 11.5 | 1480 | 5 | PCT-US91-09055-2     | Sequence 2, Appli  | 618 | 65.5 | 11.1 | 269 | 2 | US-10-006-041A-372 | Sequence 372, App  |
| 546 | 67.5 | 11.5 | 1504 | 2 | US-10-037-417-98     | Sequence 98, Appli | 619 | 65.5 | 11.1 | 269 | 2 | US-10-012-064A-372 | Sequence 372, App  |
| 547 | 67   | 11.4 | 98   | 3 | US-10-703-032-115297 | Sequence 115297,   | 620 | 65.5 | 11.1 | 269 | 2 | US-10-015-392A-372 | Sequence 372, App  |
| 548 | 67   | 11.4 | 1172 | 1 | US-08-313-288B-19    | Sequence 19, Appli | 621 | 65.5 | 11.1 | 269 | 3 | US-10-011-795B-372 | Sequence 372, App  |
| 549 | 67   | 11.4 | 1172 | 2 | US-09-949-016-6333   | Sequence 6333, Ap  | 622 | 65.5 | 11.1 | 269 | 3 | US-10-015-386A-372 | Sequence 372, App  |
| 550 | 67   | 11.4 | 1172 | 3 | US-10-296-733A-26    | Sequence 26, Appli | 623 | 65.5 | 11.1 | 269 | 3 | US-10-012-121A-372 | Sequence 372, App  |
| 551 | 67   | 11.4 | 1172 | 3 | US-10-296-733A-26    | Sequence 10, Appli | 624 | 65.5 | 11.1 | 269 | 3 | US-10-006-485A-372 | Sequence 372, App  |
| 552 | 67   | 11.4 | 1193 | 1 | US-08-400-159-10     | Sequence 10, Appli | 625 | 65.5 | 11.1 | 269 | 3 | US-10-006-746A-372 | Sequence 372, App  |
| 553 | 67   | 11.4 | 1193 | 2 | US-08-611-729A-10    | Sequence 10, Appli | 626 | 65.5 | 11.1 | 269 | 3 | US-10-012-752A-372 | Sequence 372, App  |
| 554 | 67   | 11.4 | 1193 | 2 | US-09-195-524-10     | Sequence 10, Appli | 627 | 65.5 | 11.1 | 269 | 3 | US-10-017-253A-372 | Sequence 372, App  |
| 555 | 67   | 11.4 | 1193 | 2 | US-09-310-685-8      | Sequence 8, Appli  | 628 | 65.5 | 11.1 | 269 | 3 | US-10-015-519A-372 | Sequence 372, App  |
| 556 | 67   | 11.4 | 1219 | 2 | US-08-882-046-5      | Sequence 5, Appli  | 629 | 65.5 | 11.1 | 269 | 3 | US-10-015-715A-372 | Sequence 372, App  |
| 557 | 67   | 11.4 | 1219 | 2 | US-09-566-047-5      | Sequence 5, Appli  | 630 | 65.5 | 11.1 | 269 | 3 | US-10-007-236A-372 | Sequence 372, App  |
| 558 | 67   | 11.4 | 1450 | 3 | US-10-055-877-48     | Sequence 48, Appli | 631 | 65.5 | 11.1 | 269 | 3 | US-10-012-149A-372 | Sequence 372, App  |
| 559 | 67   | 11.4 | 2321 | 2 | US-09-230-652-2      | Sequence 2, Appli  | 632 | 65.5 | 11.1 | 269 | 3 | US-10-007-194A-372 | Sequence 372, App  |
| 560 | 67   | 11.4 | 2321 | 2 | US-09-612-226B-2     | Sequence 2, Appli  | 633 | 65.5 | 11.1 | 269 | 3 | US-10-123-292-532  | Sequence 532, App  |
| 561 | 67   | 11.4 | 2321 | 3 | US-10-356-625-2      | Sequence 2, Appli  | 634 | 65.5 | 11.1 | 269 | 3 | US-10-013-910A-372 | Sequence 372, App  |
| 562 | 67   | 11.4 | 3597 | 2 | US-10-037-417-6      | Sequence 6, Appli  | 635 | 65.5 | 11.1 | 269 | 3 | US-10-006-117A-372 | Sequence 372, App  |
| 563 | 67   | 11.4 | 3600 | 2 | US-10-037-417-2      | Sequence 2, Appli  | 636 | 65.5 | 11.1 | 269 | 3 | US-10-152-398-532  | Sequence 532, App  |
| 564 | 66.5 | 11.3 | 70   | 2 | US-09-894-882-233    | Sequence 253, App  | 637 | 65.5 | 11.1 | 269 | 3 | US-10-015-480A-372 | Sequence 372, App  |
| 565 | 66.5 | 11.3 | 70   | 2 | US-09-894-882-262    | Sequence 262, App  | 638 | 65.5 | 11.1 | 269 | 3 | US-10-006-172A-372 | Sequence 372, App  |
| 566 | 66.5 | 11.3 | 589  | 1 | US-07-668-648-6      | Sequence 2, Appli  | 639 | 65.5 | 11.1 | 269 | 3 | US-10-015-395A-372 | Sequence 372, App  |
| 567 | 66.5 | 11.3 | 589  | 1 | US-07-668-648-6      | Sequence 6, Appli  | 640 | 65.5 | 11.1 | 269 | 3 | US-10-123-907-532  | Sequence 532, App  |
| 568 | 66.5 | 11.3 | 589  | 1 | US-08-429-998-2      | Sequence 2, Appli  | 641 | 65.5 | 11.1 | 269 | 3 | US-10-015-610A-372 | Sequence 372, App  |
| 569 | 66.5 | 11.3 | 589  | 1 | US-08-429-998-6      | Sequence 6, Appli  | 642 | 65.5 | 11.1 | 269 | 3 | US-10-147-512-532  | Sequence 532, App  |
| 570 | 66.5 | 11.3 | 589  | 1 | US-08-431-333-2      | Sequence 2, Appli  | 643 | 65.5 | 11.1 | 269 | 3 | US-10-147-485-532  | Sequence 532, App  |
| 571 | 66.5 | 11.3 | 589  | 1 | US-08-431-333-6      | Sequence 6, Appli  | 644 | 65.5 | 11.1 | 269 | 3 | US-10-006-130A-372 | Sequence 372, App  |
| 572 | 66.5 | 11.3 | 589  | 2 | US-08-991-862-2      | Sequence 2, Appli  | 645 | 65.5 | 11.1 | 269 | 3 | US-10-124-814-532  | Sequence 532, App  |
| 573 | 66.5 | 11.3 | 589  | 2 | US-08-813-156-2      | Sequence 2, Appli  | 646 | 65.5 | 11.1 | 269 | 3 | US-10-124-822-532  | Sequence 532, App  |
| 574 | 66.5 | 11.3 | 589  | 2 | US-09-456-886-2      | Sequence 2, Appli  | 647 | 65.5 | 11.1 | 269 | 3 | US-10-223-081-254  | Sequence 254, App  |
| 575 | 66.5 | 11.3 | 589  | 2 | US-09-824-647-2      | Sequence 2, Appli  | 648 | 65.5 | 11.1 | 269 | 3 | US-10-223-087-254  | Sequence 254, App  |
| 576 | 66.5 | 11.3 | 589  | 2 | US-09-880-842-2      | Sequence 2, Appli  | 649 | 65.5 | 11.1 | 269 | 3 | US-10-131-833A-532 | Sequence 532, App  |
| 577 | 66.5 | 11.3 | 589  | 3 | US-10-281-160-2      | Sequence 2, Appli  | 650 | 65.5 | 11.1 | 269 | 3 | US-10-142-419-532  | Sequence 532, App  |
| 578 | 66.5 | 11.3 | 589  | 5 | PCT-US91-02321-2     | Sequence 2, Appli  | 651 | 65.5 | 11.1 | 269 | 3 | US-10-152-375-532  | Sequence 532, App  |
| 579 | 66.5 | 11.3 | 589  | 5 | PCT-US91-02321-6     | Sequence 6, Appli  | 652 | 65.5 | 11.1 | 269 | 3 | US-10-213-044-10   | Sequence 10, Appli |
| 580 | 66.5 | 11.3 | 5179 | 2 | US-10-042-865-108    | Sequence 108, App  | 653 | 65.5 | 11.1 | 269 | 3 | US-10-223-082-254  | Sequence 254, App  |
| 581 | 66.5 | 11.3 | 714  | 3 | US-09-538-092-1258   | Sequence 1258, App | 654 | 65.5 | 11.1 | 269 | 3 | US-10-223-084-254  | Sequence 254, App  |
| 582 | 66   | 11.2 | 70   | 2 | US-09-894-882-244    | Sequence 244, App  | 655 | 65.5 | 11.1 | 269 | 3 | US-10-015-869A-372 | Sequence 372, App  |
| 583 | 66   | 11.2 | 70   | 2 | US-09-894-882-256    | Sequence 256, App  | 656 | 65.5 | 11.1 | 269 | 3 | US-10-145-873-532  | Sequence 532, App  |
| 584 | 66   | 11.2 | 70   | 2 | US-09-894-882-256    | Sequence 353, App  | 657 | 65.5 | 11.1 | 269 | 3 | US-10-142-763-532  | Sequence 532, App  |
| 585 | 66   | 11.2 | 158  | 2 | US-09-832-129-39     | Sequence 39, Appli | 658 | 65.5 | 11.1 | 269 | 3 | US-10-131-822A-532 | Sequence 532, App  |
| 586 | 66   | 11.2 | 1055 | 2 | US-09-214-278-2      | Sequence 2, Appli  | 659 | 65.5 | 11.1 | 269 | 3 | US-10-152-395-532  | Sequence 532, App  |
| 587 | 66   | 11.2 | 1055 | 2 | US-09-855-722-2      | Sequence 2, Appli  | 660 | 65.5 | 11.1 | 269 | 3 | US-10-142-763-532  | Sequence 532, App  |
| 588 | 66   | 11.2 | 1055 | 3 | US-10-219-248-2      | Sequence 2, Appli  | 661 | 65.5 | 11.1 | 269 | 3 | US-10-128-694A-532 | Sequence 532, App  |
| 589 | 66   | 11.2 | 1065 | 1 | US-08-400-159-8      | Sequence 8, Appli  | 662 | 65.5 | 11.1 | 269 | 3 | US-10-123-213-532  | Sequence 532, App  |
| 590 | 66   | 11.2 | 1140 | 3 | US-10-055-877-215    | Sequence 215, App  | 663 | 65.5 | 11.1 | 269 | 3 | US-10-123-909-532  | Sequence 532, App  |
| 591 | 66   | 11.2 | 1148 | 2 | US-08-882-046-4      | Sequence 4, Appli  | 664 | 65.5 | 11.1 | 269 | 3 | US-10-131-826A-532 | Sequence 532, App  |
| 592 | 66   | 11.2 | 1148 | 2 | US-09-566-047-4      | Sequence 4, Appli  | 665 | 65.5 | 11.1 | 269 | 3 | US-10-147-513-532  | Sequence 532, App  |
| 593 | 66   | 11.2 | 1212 | 2 | US-09-214-278-3      | Sequence 3, Appli  | 666 | 65.5 | 11.1 | 269 | 3 | US-10-121-043-532  | Sequence 532, App  |
| 594 | 66   | 11.2 | 1212 | 2 | US-09-855-722-3      | Sequence 3, Appli  | 667 | 65.5 | 11.1 | 269 | 3 | US-10-139-980-532  | Sequence 532, App  |
| 595 | 66   | 11.2 | 1212 | 3 | US-10-219-248-3      | Sequence 3, Appli  | 668 | 65.5 | 11.1 | 269 | 3 | US-10-223-090-254  | Sequence 254, App  |
| 596 | 66   | 11.2 | 1238 | 2 | US-09-214-278-5      | Sequence 5, Appli  | 669 | 65.5 | 11.1 | 299 | 2 | US-09-188-930-192  | Sequence 192, App  |
| 597 | 66   | 11.2 | 1238 | 3 | US-09-855-722-5      | Sequence 5, Appli  | 670 | 65.5 | 11.1 | 299 | 2 | US-09-188-930-332  | Sequence 332, App  |
| 598 | 66   | 11.2 | 1238 | 3 | US-10-219-248-5      | Sequence 5, Appli  | 671 | 65.5 | 11.1 | 299 | 2 | US-09-312-283C-192 | Sequence 332, App  |
| 599 | 66   | 11.2 | 1257 | 2 | US-08-611-729A-8     | Sequence 8, Appli  | 672 | 65.5 | 11.1 | 299 | 2 | US-09-312-283C-332 | Sequence 332, App  |
| 600 | 66   | 11.2 | 1257 | 2 | US-09-195-524-8      | Sequence 8, Appli  | 673 | 65.5 | 11.1 | 683 | 2 | US-08-979-847B-198 | Sequence 198, App  |
| 601 | 66   | 11.2 | 1257 | 2 | US-09-310-685-6      | Sequence 6, Appli  | 674 | 65.5 | 11.1 | 683 | 2 | US-08-979-847B-208 | Sequence 208, App  |
| 602 | 65.5 | 11.1 | 94   | 3 | US-10-950-933A-47    | Sequence 47, Appli | 675 | 65.5 | 11.1 | 683 | 2 | US-08-979-847B-210 | Sequence 210, App  |
| 603 | 65.5 | 11.1 | 99   | 3 | US-10-846-374B-192   | Sequence 192, App  | 676 | 65.5 | 11.1 | 720 | 2 | US-08-872-855-4    | Sequence 4, Appli  |
| 604 | 65.5 | 11.1 | 144  | 3 | US-10-703-032-128595 | Sequence 128595,   | 677 | 65.5 | 11.1 | 722 | 2 | US-08-981-392-12   | Sequence 12, Appli |
| 605 | 65.5 | 11.1 | 144  | 3 | US-10-703-032-128595 | Sequence 117513,   | 678 | 65.5 | 11.1 | 722 | 2 | US-09-908-322-12   | Sequence 12, Appli |
| 606 | 65.5 | 11.1 | 166  | 3 | US-10-703-032-117513 | Sequence 132027,   | 679 | 65.5 | 11.1 | 722 | 2 | US-09-310-685-14   | Sequence 14, Appli |
| 607 | 65.5 | 11.1 | 178  | 3 | US-10-703-032-132027 | Sequence 132027,   | 680 | 65.5 | 11.1 | 722 | 3 | US-09-783-931C-12  | Sequence 12, Appli |
| 608 | 65.5 | 11.1 | 179  | 2 | US-09-148-545-177    | Sequence 177, App  | 681 | 65.5 | 11.1 | 722 | 3 | US-10-042-865-107  | Sequence 107, App  |
| 609 | 65.5 | 11.1 | 179  | 2 | US-09-621-011-177    | Sequence 177, App  | 682 | 65.5 | 11.1 | 768 | 2 | US-08-979-847B-89  | Sequence 89, Appli |
| 610 | 65.5 | 11.1 | 179  | 3 | US-09-981-876-177    | Sequence 177, App  | 683 | 65.5 | 11.1 |     |   |                    |                    |

|     |      |      |      |   |                      |                   |     |      |      |      |   |                    |                    |
|-----|------|------|------|---|----------------------|-------------------|-----|------|------|------|---|--------------------|--------------------|
| 684 | 65.5 | 11.1 | 925  | 3 | US-10-865-978A-25    | Sequence 25, Appl | 757 | 64.5 | 11.0 | 2214 | 2 | US-09-919-039-40   | Sequence 40, Appl  |
| 685 | 65.5 | 11.1 | 1068 | 1 | US-08-537-210A-2     | Sequence 2, Appl  | 758 | 64.5 | 11.0 | 2743 | 2 | US-10-037-182-36   | Sequence 36, Appl  |
| 686 | 65.5 | 11.1 | 1068 | 2 | US-09-113-825-2      | Sequence 2, Appl  | 759 | 64.5 | 11.0 | 3695 | 2 | US-10-037-182-2    | Sequence 2, Appl   |
| 687 | 65.5 | 11.1 | 2213 | 1 | US-08-727-034-3      | Sequence 3, Appl  | 760 | 64   | 10.9 | 159  | 1 | US-08-232-087A-11  | Sequence 11, Appl  |
| 688 | 65.5 | 11.1 | 2471 | 1 | US-08-185-432-16     | Sequence 16, Appl | 761 | 64   | 10.9 | 207  | 2 | US-08-974-022-47   | Sequence 47, Appl  |
| 689 | 65.5 | 11.1 | 2471 | 1 | US-08-083-590A-19    | Sequence 19, Appl | 762 | 64   | 10.9 | 207  | 2 | US-08-795-445A-47  | Sequence 47, Appl  |
| 690 | 65.5 | 11.1 | 2471 | 2 | US-08-532-384-19     | Sequence 19, Appl | 763 | 64   | 10.9 | 207  | 2 | US-08-795-447A-47  | Sequence 47, Appl  |
| 691 | 65.5 | 11.1 | 2471 | 1 | US-08-899-232-1      | Sequence 1, Appl  | 764 | 64   | 10.9 | 207  | 2 | US-08-974-186-47   | Sequence 47, Appl  |
| 692 | 65.5 | 11.1 | 2471 | 2 | US-09-121-457-1      | Sequence 1, Appl  | 765 | 64   | 10.9 | 207  | 2 | US-08-795-446B-47  | Sequence 47, Appl  |
| 693 | 65.5 | 11.1 | 2556 | 1 | US-08-185-432-17     | Sequence 17, Appl | 766 | 64   | 10.9 | 207  | 2 | US-08-706-945D-133 | Sequence 133, Appl |
| 694 | 65.5 | 11.1 | 2556 | 1 | US-08-083-590A-20    | Sequence 20, Appl | 767 | 64   | 10.9 | 207  | 2 | US-08-577-788C-47  | Sequence 47, Appl  |
| 695 | 65.5 | 11.1 | 2556 | 2 | US-08-532-384-20     | Sequence 20, Appl | 768 | 64   | 10.9 | 207  | 2 | Sequence 130, Appl |                    |
| 696 | 65.5 | 11.1 | 2556 | 2 | US-08-899-232-2      | Sequence 2, Appl  | 769 | 64   | 10.9 | 235  | 2 | Sequence 15031, A  |                    |
| 697 | 65.5 | 11.1 | 2556 | 2 | US-09-121-457-2      | Sequence 2, Appl  | 770 | 64   | 10.9 | 325  | 1 | Sequence 2, Appl   |                    |
| 698 | 65.5 | 11.1 | 3635 | 2 | US-09-845-583A-2     | Sequence 2, Appl  | 771 | 64   | 10.9 | 325  | 1 | Sequence 9, Appl   |                    |
| 699 | 65.5 | 11.1 | 3635 | 2 | US-10-037-417-47     | Sequence 47, Appl | 772 | 64   | 10.9 | 325  | 1 | Sequence 2, Appl   |                    |
| 700 | 65.5 | 11.1 | 3635 | 2 | US-10-037-182-4      | Sequence 4, Appl  | 773 | 64   | 10.9 | 335  | 2 | Sequence 2, Appl   |                    |
| 701 | 65   | 11.0 | 77   | 2 | US-08-866-545-2      | Sequence 2, Appl  | 774 | 64   | 10.9 | 340  | 2 | Sequence 2, Appl   |                    |
| 702 | 65   | 11.0 | 142  | 2 | US-09-627-775-2      | Sequence 2, Appl  | 775 | 64   | 10.9 | 425  | 2 | Sequence 2, Appl   |                    |
| 703 | 65   | 11.0 | 142  | 2 | US-10-094-749-1973   | Sequence 1973, Ap | 776 | 64   | 10.9 | 459  | 2 | Sequence 2, Appl   |                    |
| 704 | 65   | 11.0 | 236  | 2 | US-09-252-991A-25980 | Sequence 25980, A | 777 | 64   | 10.9 | 1282 | 2 | Sequence 1, Appl   |                    |
| 705 | 65   | 11.0 | 383  | 1 | US-08-597-545-2      | Sequence 2, Appl  | 778 | 64   | 10.9 | 1652 | 2 | Sequence 1, Appl   |                    |
| 706 | 65   | 11.0 | 383  | 1 | US-08-457-135-2      | Sequence 2, Appl  | 779 | 64   | 10.9 | 1652 | 2 | Sequence 1, Appl   |                    |
| 707 | 65   | 11.0 | 575  | 2 | US-09-482-273-159    | Sequence 159, App | 780 | 64   | 10.9 | 1917 | 2 | Sequence 5, Appl   |                    |
| 708 | 65   | 11.0 | 575  | 2 | US-10-103-295-160    | Sequence 160, App | 781 | 64   | 10.9 | 1917 | 2 | Sequence 5, Appl   |                    |
| 709 | 65   | 11.0 | 638  | 2 | US-09-482-273-245    | Sequence 245, App | 782 | 64   | 10.9 | 1917 | 2 | Sequence 5, Appl   |                    |
| 710 | 65   | 11.0 | 638  | 3 | US-10-103-295-248    | Sequence 248, App | 783 | 64   | 10.9 | 1917 | 2 | Sequence 7, Appl   |                    |
| 711 | 65   | 11.0 | 993  | 1 | US-08-348-143-1      | Sequence 1, Appl  | 784 | 64   | 10.9 | 2508 | 2 | Sequence 7, Appl   |                    |
| 712 | 65   | 11.0 | 993  | 1 | US-08-571-785-1      | Sequence 1, Appl  | 785 | 64   | 10.9 | 2508 | 2 | Sequence 7, Appl   |                    |
| 713 | 65   | 11.0 | 993  | 2 | US-09-192-435-1      | Sequence 1, Appl  | 786 | 64   | 10.9 | 2544 | 2 | Sequence 3, Appl   |                    |
| 714 | 65   | 11.0 | 993  | 2 | US-09-558-340-1      | Sequence 1, Appl  | 787 | 64   | 10.9 | 2544 | 2 | Sequence 3, Appl   |                    |
| 715 | 65   | 11.0 | 1010 | 2 | US-08-882-046-7      | Sequence 7, Appl  | 788 | 64   | 10.9 | 2544 | 2 | Sequence 3, Appl   |                    |
| 716 | 65   | 11.0 | 1010 | 2 | US-09-566-047-7      | Sequence 7, Appl  | 789 | 64   | 10.9 | 2544 | 2 | Sequence 3, Appl   |                    |
| 717 | 65   | 11.0 | 1036 | 2 | US-09-068-740A-6     | Sequence 6, Appl  | 790 | 64   | 10.9 | 2601 | 2 | Sequence 9, Appl   |                    |
| 718 | 65   | 11.0 | 1036 | 3 | US-09-995-593A-6     | Sequence 6, Appl  | 791 | 64   | 10.9 | 2601 | 2 | Sequence 9, Appl   |                    |
| 719 | 65   | 11.0 | 1036 | 3 | US-11-043-357-6      | Sequence 6, Appl  | 792 | 64   | 10.9 | 2601 | 3 | Sequence 9, Appl   |                    |
| 720 | 65   | 11.0 | 1036 | 3 | US-11-051-631-6      | Sequence 6, Appl  | 793 | 63.5 | 10.8 | 121  | 2 | Sequence 257, App  |                    |
| 721 | 65   | 11.0 | 1067 | 2 | US-09-579-536C-18    | Sequence 18, Appl | 794 | 63.5 | 10.8 | 163  | 2 | Sequence 257, App  |                    |
| 722 | 65   | 11.0 | 1187 | 2 | US-09-068-740A-7     | Sequence 7, Appl  | 795 | 63.5 | 10.8 | 194  | 2 | Sequence 29129, A  |                    |
| 723 | 65   | 11.0 | 1187 | 3 | US-09-995-593A-7     | Sequence 7, Appl  | 796 | 63.5 | 10.8 | 194  | 2 | Sequence 32646, A  |                    |
| 724 | 65   | 11.0 | 1187 | 3 | US-11-043-357-7      | Sequence 7, Appl  | 797 | 63.5 | 10.8 | 606  | 2 | Sequence 12, Appl  |                    |
| 725 | 65   | 11.0 | 1187 | 3 | US-11-051-631-7      | Sequence 7, Appl  | 798 | 63.5 | 10.8 | 606  | 2 | Sequence 12, Appl  |                    |
| 726 | 65   | 11.0 | 1208 | 2 | US-09-199-865-1      | Sequence 1, Appl  | 799 | 63.5 | 10.8 | 721  | 2 | Sequence 5, Appl   |                    |
| 727 | 65   | 11.0 | 1208 | 2 | US-10-213-329-1      | Sequence 1, Appl  | 800 | 63.5 | 10.8 | 721  | 2 | Sequence 5, Appl   |                    |
| 728 | 65   | 11.0 | 1218 | 1 | US-08-400-159-6      | Sequence 6, Appl  | 801 | 63.5 | 10.8 | 721  | 2 | Sequence 5, Appl   |                    |
| 729 | 65   | 11.0 | 1218 | 2 | US-08-882-046-2      | Sequence 2, Appl  | 802 | 63.5 | 10.8 | 721  | 2 | Sequence 5, Appl   |                    |
| 730 | 65   | 11.0 | 1218 | 2 | US-08-611-729A-6     | Sequence 6, Appl  | 803 | 63.5 | 10.8 | 721  | 2 | Sequence 5, Appl   |                    |
| 731 | 65   | 11.0 | 1218 | 2 | US-09-214-278-7      | Sequence 7, Appl  | 804 | 63.5 | 10.8 | 721  | 2 | Sequence 109, App  |                    |
| 732 | 65   | 11.0 | 1218 | 2 | US-09-068-740A-11    | Sequence 11, Appl | 805 | 63.5 | 10.8 | 721  | 2 | Sequence 109, App  |                    |
| 733 | 65   | 11.0 | 1218 | 2 | US-09-855-722-7      | Sequence 7, Appl  | 806 | 63.5 | 10.8 | 721  | 2 | Sequence 11, Appl  |                    |
| 734 | 65   | 11.0 | 1218 | 2 | US-09-566-047-2      | Sequence 2, Appl  | 807 | 63.5 | 10.8 | 721  | 2 | Sequence 11, Appl  |                    |
| 735 | 65   | 11.0 | 1218 | 2 | US-09-917-254-85     | Sequence 85, Appl | 808 | 63.5 | 10.8 | 721  | 2 | Sequence 11, Appl  |                    |
| 736 | 65   | 11.0 | 1218 | 2 | US-09-195-524-6      | Sequence 6, Appl  | 809 | 63   | 10.7 | 70   | 2 | Sequence 10932, A  |                    |
| 737 | 65   | 11.0 | 1218 | 2 | US-09-579-536C-1     | Sequence 1, Appl  | 810 | 63   | 10.7 | 70   | 2 | Sequence 350, App  |                    |
| 738 | 65   | 11.0 | 1218 | 2 | US-09-949-016-5902   | Sequence 5902, Ap | 811 | 63   | 10.7 | 100  | 2 | Sequence 40, Appl  |                    |
| 739 | 65   | 11.0 | 1218 | 2 | US-09-310-685-4      | Sequence 4, Appl  | 812 | 63   | 10.7 | 100  | 2 | Sequence 40, Appl  |                    |
| 740 | 65   | 11.0 | 1218 | 3 | US-10-219-248-7      | Sequence 7, Appl  | 813 | 63   | 10.7 | 129  | 2 | Sequence 2669, Ap  |                    |
| 741 | 65   | 11.0 | 1218 | 3 | US-09-995-593A-11    | Sequence 11, Appl | 814 | 63   | 10.7 | 129  | 2 | Sequence 114480,   |                    |
| 742 | 65   | 11.0 | 1218 | 3 | US-11-043-357-11     | Sequence 11, Appl | 815 | 63   | 10.7 | 222  | 3 | Sequence 7, Appl   |                    |
| 743 | 65   | 11.0 | 1218 | 3 | US-11-051-631-11     | Sequence 11, Appl | 816 | 63   | 10.7 | 258  | 2 | Sequence 12595, A  |                    |
| 744 | 65   | 11.0 | 1254 | 2 | US-09-949-016-10297  | Sequence 10297, A | 817 | 62.5 | 10.6 | 298  | 2 | Sequence 14, Appl  |                    |
| 745 | 65   | 11.0 | 4654 | 2 | US-08-476-515A-84    | Sequence 84, Appl | 818 | 62.5 | 10.6 | 487  | 2 | Sequence 235, App  |                    |
| 746 | 65   | 11.0 | 4654 | 2 | US-08-652-877-84     | Sequence 84, Appl | 819 | 62.5 | 10.6 | 69   | 2 | Sequence 110377    |                    |
| 747 | 65   | 11.0 | 4655 | 2 | US-08-652-877-86     | Sequence 86, Appl | 820 | 62.5 | 10.6 | 70   | 2 | Sequence 4, Appl   |                    |
| 748 | 65   | 11.0 | 4655 | 2 | US-08-652-877-88     | Sequence 88, Appl | 821 | 62.5 | 10.6 | 143  | 3 | Sequence 44071, A  |                    |
| 749 | 65   | 11.0 | 4655 | 2 | US-08-652-877-90     | Sequence 90, Appl | 822 | 62.5 | 10.6 | 277  | 2 | Sequence 2, Appl   |                    |
| 750 | 64.5 | 11.0 | 147  | 3 | US-10-703-032-127195 | Sequence 127195,  | 823 | 62.5 | 10.6 | 347  | 2 | Sequence 292, App  |                    |
| 751 | 64.5 | 11.0 | 310  | 3 | US-10-703-032-140673 | Sequence 140673,  | 824 | 62   | 10.5 | 1080 | 2 | Sequence 86, Appl  |                    |
| 752 | 64.5 | 11.0 | 969  | 3 | US-10-055-877-214    | Sequence 214, App | 825 | 62   | 10.5 | 70   | 2 | Sequence 86, Appl  |                    |
| 753 | 64.5 | 11.0 | 1581 | 2 | US-09-949-002-414    | Sequence 414, App | 826 | 62   | 10.5 | 102  | 2 | Sequence 37873, A  |                    |
| 754 | 64.5 | 11.0 | 1587 | 2 | US-09-949-002-354    | Sequence 354, App | 827 | 62   | 10.5 | 102  | 3 | Sequence 37873, A  |                    |
| 755 | 64.5 | 11.0 | 1788 | 3 | US-09-619-049-777    | Sequence 777, App | 828 | 62   | 10.5 | 113  | 2 | Sequence 53090, A  |                    |
| 756 | 64.5 | 11.0 | 2214 | 1 | US-08-727-034-7      | Sequence 7, Appl  | 829 | 62   | 10.5 | 148  | 2 | Sequence 32322, A  |                    |

|     |      |      |      |   |                      |                                    |     |      |      |      |   |                      |                                     |
|-----|------|------|------|---|----------------------|------------------------------------|-----|------|------|------|---|----------------------|-------------------------------------|
| 830 | 62   | 10.5 | 402  | 1 | US-08-709-979A-3     | Sequence 3, Appli                  | 903 | 61.5 | 10.4 | 282  | 3 | US-09-906-838B-127   | Sequence 127, App                   |
| 831 | 62   | 10.5 | 402  | 2 | US-08-709-974A-1     | Sequence 1, Appli                  | 904 | 61.5 | 10.4 | 282  | 3 | US-09-909-320-127    | Sequence 127, App                   |
| 832 | 62   | 10.5 | 402  | 2 | US-08-709-974A-5     | Sequence 5, Appli                  | 905 | 61.5 | 10.4 | 282  | 3 | US-10-152-398-312    | Sequence 312, App                   |
| 833 | 62   | 10.5 | 415  | 1 | US-08-833-642A-5     | Sequence 5, Appli                  | 906 | 61.5 | 10.4 | 282  | 3 | US-10-123-907-312    | Sequence 312, App                   |
| 834 | 62   | 10.5 | 415  | 2 | US-08-709-974A-4     | Sequence 4, Appli                  | 907 | 61.5 | 10.4 | 282  | 3 | US-10-147-512-312    | Sequence 312, App                   |
| 835 | 62   | 10.5 | 415  | 2 | US-09-069-632-1      | Sequence 1, Appli                  | 908 | 61.5 | 10.4 | 282  | 3 | US-09-907-942-127    | Sequence 127, App                   |
| 836 | 62   | 10.5 | 435  | 1 | US-08-361-920-27     | Sequence 27, Appl                  | 909 | 61.5 | 10.4 | 282  | 3 | US-09-906-815C-127   | Sequence 127, App                   |
| 837 | 62   | 10.5 | 435  | 1 | US-08-479-939-27     | Sequence 27, Appl                  | 910 | 61.5 | 10.4 | 282  | 3 | US-10-147-485-312    | Sequence 312, App                   |
| 838 | 62   | 10.5 | 435  | 2 | US-08-483-432-27     | Sequence 27, Appl                  | 911 | 61.5 | 10.4 | 282  | 3 | US-10-124-814-312    | Sequence 312, App                   |
| 839 | 62   | 10.5 | 435  | 2 | US-09-069-632-3      | Sequence 3, Appli                  | 912 | 61.5 | 10.4 | 282  | 3 | US-10-124-822-312    | Sequence 312, App                   |
| 840 | 62   | 10.5 | 578  | 2 | US-08-981-322-13     | Sequence 13, Appl                  | 913 | 61.5 | 10.4 | 282  | 3 | US-10-131-833A-312   | Sequence 312, App                   |
| 841 | 62   | 10.5 | 578  | 2 | US-09-908-322-13     | Sequence 13, Appl                  | 914 | 61.5 | 10.4 | 282  | 3 | US-09-903-749A-127   | Sequence 127, App                   |
| 842 | 62   | 10.5 | 578  | 3 | US-09-783-931C-13    | Sequence 13, Appl                  | 915 | 61.5 | 10.4 | 282  | 3 | US-09-904-532B-127   | Sequence 127, App                   |
| 843 | 62   | 10.5 | 623  | 3 | US-10-496-799-3      | Sequence 3, Appli                  | 916 | 61.5 | 10.4 | 282  | 3 | US-10-142-419-312    | Sequence 312, App                   |
| 844 | 62   | 10.5 | 831  | 2 | US-09-939-853A-97    | Sequence 97, Appl                  | 917 | 61.5 | 10.4 | 282  | 3 | US-10-152-375-312    | Sequence 312, App                   |
| 845 | 62   | 10.5 | 831  | 2 | US-09-939-853A-98    | Sequence 98, Appl                  | 918 | 61.5 | 10.4 | 282  | 3 | US-10-131-818A-312   | Sequence 312, App                   |
| 846 | 62   | 10.5 | 998  | 1 | US-08-449-645A-20    | Sequence 20, Appl                  | 919 | 61.5 | 10.4 | 282  | 3 | US-09-905-075-127    | Sequence 127, App                   |
| 847 | 62   | 10.5 | 998  | 1 | US-08-702-367A-20    | Sequence 20, Appl                  | 920 | 61.5 | 10.4 | 282  | 3 | US-10-145-873-312    | Sequence 312, App                   |
| 848 | 62   | 10.5 | 998  | 2 | US-09-378-759-20     | Sequence 20, Appl                  | 921 | 61.5 | 10.4 | 282  | 3 | US-10-152-395-312    | Sequence 312, App                   |
| 849 | 62   | 10.5 | 998  | 5 | PCT-US95-04681-20    | Sequence 20, Appl                  | 922 | 61.5 | 10.4 | 282  | 3 | US-10-131-822A-312   | Sequence 312, App                   |
| 850 | 62   | 10.5 | 1113 | 2 | US-09-959-392-4      | Sequence 4, Appli                  | 923 | 61.5 | 10.4 | 282  | 3 | US-10-142-763-312    | Sequence 312, App                   |
| 851 | 62   | 10.5 | 1150 | 3 | US-10-296-733A-1     | Sequence 1, Appli                  | 924 | 61.5 | 10.4 | 282  | 3 | US-10-128-694A-312   | Sequence 312, App                   |
| 852 | 62   | 10.5 | 1170 | 1 | US-08-313-288B-20    | Sequence 20, Appl                  | 925 | 61.5 | 10.4 | 282  | 3 | US-10-123-213-312    | Sequence 312, App                   |
| 853 | 62   | 10.5 | 1833 | 2 | US-08-479-722B-2     | Sequence 2, Appli                  | 926 | 61.5 | 10.4 | 282  | 3 | US-10-123-909-312    | Sequence 312, App                   |
| 854 | 62   | 10.5 | 1833 | 2 | US-09-592-685-2      | Sequence 2, Appli                  | 927 | 61.5 | 10.4 | 282  | 3 | US-10-131-826A-312   | Sequence 312, App                   |
| 855 | 62   | 10.5 | 1833 | 5 | PCT-US95-02251-18    | Sequence 18, Appl                  | 928 | 61.5 | 10.4 | 282  | 3 | US-09-903-640A-127   | Sequence 127, App                   |
| 856 | 62   | 10.5 | 4440 | 3 | US-10-183-001-525    | Sequence 525, App                  | 929 | 61.5 | 10.4 | 282  | 3 | US-10-448-580-127    | Sequence 127, App                   |
| 857 | 62   | 10.5 | 4440 | 3 | US-10-180-998-525    | Sequence 525, App                  | 930 | 61.5 | 10.4 | 282  | 3 | US-10-147-513-312    | Sequence 312, App                   |
| 858 | 62   | 10.5 | 4440 | 3 | US-10-201-769-525    | Sequence 525, App                  | 931 | 61.5 | 10.4 | 282  | 3 | US-10-121-043-312    | Sequence 312, App                   |
| 859 | 62   | 10.5 | 4440 | 3 | US-10-174-576-525    | Sequence 525, App                  | 932 | 61.5 | 10.4 | 282  | 3 | US-10-963-467-127    | Sequence 127, App                   |
| 860 | 62   | 10.5 | 4440 | 3 | US-10-174-581-525    | Sequence 525, App                  | 933 | 61.5 | 10.4 | 282  | 3 | US-10-448-923-127    | Sequence 127, App                   |
| 861 | 62   | 10.5 | 4440 | 3 | US-10-207-916-525    | Sequence 525, App                  | 934 | 61.5 | 10.4 | 282  | 3 | US-10-139-980-312    | Sequence 312, App                   |
| 862 | 62   | 10.5 | 4440 | 3 | US-10-174-583-525    | Sequence 525, App                  | 935 | 61.5 | 10.4 | 310  | 1 | US-07-704-288C-6     | Sequence 6, Appli                   |
| 863 | 62   | 10.5 | 4440 | 3 | US-10-187-745-525    | Sequence 525, App                  | 936 | 61.5 | 10.4 | 310  | 1 | US-08-379-259-6      | Sequence 6, Appli                   |
| 864 | 61.5 | 10.4 | 69   | 2 | US-09-894-882-259    | Sequence 259, App                  | 937 | 61.5 | 10.4 | 510  | 2 | US-10-104-047-2580   | Sequence 2580, Ap                   |
| 865 | 61.5 | 10.4 | 92   | 3 | US-10-703-032-141830 | Sequence 141830, Sequence 24, Appl | 938 | 61.5 | 10.4 | 523  | 3 | US-09-792-000C-14    | Sequence 14, Appl                   |
| 866 | 61.5 | 10.4 | 105  | 3 | US-10-031-331C-24    | Sequence 3322, A                   | 939 | 61.5 | 10.4 | 1345 | 2 | US-09-949-216-8313   | Sequence 8313, Ap                   |
| 867 | 61.5 | 10.4 | 156  | 2 | US-09-270-767-33322  | Sequence 48339, A                  | 940 | 61.5 | 10.4 | 2157 | 2 | US-09-466-778-2      | Sequence 2, Appli                   |
| 868 | 61.5 | 10.4 | 156  | 2 | US-09-270-767-48539  | Sequence 78, Appl                  | 941 | 61.5 | 10.4 | 2157 | 2 | US-10-960-275-2      | Sequence 2, Appli                   |
| 869 | 61.5 | 10.4 | 180  | 2 | US-09-904-615-78     | Sequence 123140, Sequence 2, Appli | 942 | 61.5 | 10.4 | 2873 | 1 | US-08-466-033-15     | Sequence 15, Appl                   |
| 870 | 61.5 | 10.4 | 180  | 2 | US-10-054-988-78     | Sequence 12, Appl                  | 943 | 61.5 | 10.4 | 2873 | 1 | US-08-638-911A-2     | Sequence 2, Appli                   |
| 871 | 61.5 | 10.4 | 226  | 3 | US-10-703-032-123140 | Sequence 2, Appli                  | 944 | 61.5 | 10.4 | 2873 | 1 | US-08-444-733-15     | Sequence 15, Appl                   |
| 872 | 61.5 | 10.4 | 277  | 1 | US-08-147-784-2      | Sequence 2, Appli                  | 945 | 61.5 | 10.4 | 2873 | 1 | US-08-464-134-15     | Sequence 15, Appl                   |
| 873 | 61.5 | 10.4 | 277  | 2 | US-08-195-967-2      | Sequence 12, Appl                  | 946 | 61.5 | 10.4 | 2873 | 1 | US-08-461-361-15     | Sequence 15, Appl                   |
| 874 | 61.5 | 10.4 | 277  | 2 | US-09-006-353A-12    | Sequence 12, Appl                  | 947 | 61.5 | 10.4 | 2873 | 1 | US-08-485-910-15     | Sequence 15, Appl                   |
| 875 | 61.5 | 10.4 | 277  | 2 | US-08-472-940-2      | Sequence 12, Appl                  | 948 | 61.5 | 10.4 | 2873 | 5 | PCT-US95-06266-15    | Sequence 15, Appl                   |
| 876 | 61.5 | 10.4 | 277  | 2 | US-09-573-986-12     | Sequence 12, Appl                  | 949 | 61.5 | 10.4 | 3571 | 2 | US-09-911-842A-2     | Sequence 2, Appli                   |
| 877 | 61.5 | 10.4 | 277  | 2 | US-09-880-939-2      | Sequence 2, Appli                  | 950 | 61.5 | 10.4 | 3571 | 2 | US-10-150-821-2      | Sequence 2, Appli                   |
| 878 | 61.5 | 10.4 | 277  | 2 | US-09-804-200-2      | Sequence 2, Appli                  | 951 | 61   | 10.4 | 70   | 2 | US-09-894-882-289    | Sequence 289, App                   |
| 879 | 61.5 | 10.4 | 277  | 2 | US-10-046-433-3      | Sequence 3, Appli                  | 952 | 61   | 10.4 | 93   | 2 | US-09-950-933A-95    | Sequence 95, Appl                   |
| 880 | 61.5 | 10.4 | 277  | 3 | US-09-826-212A-12    | Sequence 2, Appli                  | 953 | 61   | 10.4 | 93   | 3 | US-10-976-102-95     | Sequence 95, Appl                   |
| 881 | 61.5 | 10.4 | 277  | 3 | US-10-323-274C-2     | Sequence 2, Appli                  | 954 | 61   | 10.4 | 123  | 3 | US-10-703-032-147084 | Sequence 147084, Sequence 114880, A |
| 882 | 61.5 | 10.4 | 277  | 3 | US-09-326-929A-2     | Sequence 14, Appl                  | 955 | 61   | 10.4 | 233  | 3 | US-10-703-032-114880 | Sequence 20058, A                   |
| 883 | 61.5 | 10.4 | 277  | 3 | US-09-518-931-14     | Sequence 127, App                  | 956 | 61   | 10.4 | 336  | 2 | US-09-248-796A-20058 | Sequence 14, Appl                   |
| 884 | 61.5 | 10.4 | 282  | 2 | US-09-907-794A-127   | Sequence 127, App                  | 957 | 61   | 10.4 | 348  | 1 | US-08-468-847B-14    | Sequence 14, Appl                   |
| 885 | 61.5 | 10.4 | 282  | 2 | US-09-905-125A-127   | Sequence 127, App                  | 958 | 61   | 10.4 | 359  | 2 | US-09-270-767-42534  | Sequence 42534, A                   |
| 886 | 61.5 | 10.4 | 282  | 2 | US-09-902-775A-127   | Sequence 127, App                  | 959 | 61   | 10.4 | 405  | 3 | US-09-540-209B-9253  | Sequence 9253, Ap                   |
| 887 | 61.5 | 10.4 | 282  | 2 | US-09-906-700-127    | Sequence 127, App                  | 960 | 61   | 10.4 | 722  | 3 | US-10-703-032-116051 | Sequence 116051, Sequence 2240, Ap  |
| 888 | 61.5 | 10.4 | 282  | 2 | US-09-808-847-1      | Sequence 1, Appli                  | 961 | 61   | 10.4 | 724  | 2 | US-10-094-749-2240   | Sequence 2, Appl                    |
| 889 | 61.5 | 10.4 | 282  | 2 | US-09-903-603A-127   | Sequence 127, App                  | 962 | 61   | 10.4 | 787  | 1 | US-08-720-484A-4     | Sequence 4, Appli                   |
| 890 | 61.5 | 10.4 | 282  | 2 | US-09-904-920A-127   | Sequence 127, App                  | 963 | 61   | 10.4 | 787  | 2 | US-08-953-823A-4     | Sequence 4, Appli                   |
| 891 | 61.5 | 10.4 | 282  | 2 | US-09-905-064-127    | Sequence 127, App                  | 964 | 61   | 10.4 | 787  | 2 | US-09-398-239-4      | Sequence 4, Appli                   |
| 892 | 61.5 | 10.4 | 282  | 2 | US-09-905-381A-127   | Sequence 127, App                  | 965 | 61   | 10.4 | 787  | 2 | US-09-560-876A-4     | Sequence 4, Appli                   |
| 893 | 61.5 | 10.4 | 282  | 2 | US-09-906-618-127    | Sequence 127, App                  | 966 | 61   | 10.4 | 1170 | 2 | US-09-657-472-2      | Sequence 2, Appli                   |
| 894 | 61.5 | 10.4 | 282  | 2 | US-09-906-646-127    | Sequence 127, App                  | 967 | 61   | 10.4 | 1170 | 2 | US-09-949-002-350    | Sequence 350, App                   |
| 895 | 61.5 | 10.4 | 282  | 2 | US-09-904-462-127    | Sequence 127, App                  | 968 | 61   | 10.4 | 1171 | 2 | US-09-560-385A-36    | Sequence 36, Appl                   |
| 896 | 61.5 | 10.4 | 282  | 2 | US-09-902-736A-127   | Sequence 127, App                  | 969 | 61   | 10.4 | 1192 | 2 | US-09-560-385A-34    | Sequence 34, Appl                   |
| 897 | 61.5 | 10.4 | 282  | 2 | US-09-906-722A-127   | Sequence 127, App                  | 970 | 61   | 10.4 | 1192 | 2 | US-10-053-662A-32    | Sequence 32, Appl                   |
| 898 | 61.5 | 10.4 | 282  | 2 | US-09-905-449-127    | Sequence 127, App                  | 971 | 61   | 10.4 | 1248 | 2 | US-08-882-046-6      | Sequence 6, Appli                   |
| 899 | 61.5 | 10.4 | 282  | 2 | US-09-903-562B-127   | Sequence 127, App                  | 972 | 61   | 10.4 | 1248 | 2 | US-09-566-047-6      | Sequence 6, Appli                   |
| 900 | 61.5 | 10.4 | 282  | 2 | US-09-906-679A-127   | Sequence 127, App                  | 973 | 61   | 10.4 | 1251 | 5 | PCT-US95-02251-3     | Sequence 3, Appli                   |
| 901 | 61.5 | 10.4 | 282  | 3 | US-09-907-841-127    | Sequence 127, App                  | 974 | 61   | 10.4 | 1252 | 1 | US-08-199-780-3      | Sequence 3, Appli                   |
| 902 | 61.5 | 10.4 | 282  | 3 | US-10-123-292-312    | Sequence 312, App                  | 975 | 61   | 10.4 | 1252 | 1 | US-08-316-650-3      | Sequence 3, Appli                   |

|      |      |      |      |   |                      |                   |      |      |      |     |   |                     |                   |
|------|------|------|------|---|----------------------|-------------------|------|------|------|-----|---|---------------------|-------------------|
| 976  | 61   | 10.4 | 2476 | 1 | US-08-276-967-2      | Sequence 2, Appli | 1049 | 60.5 | 10.3 | 723 | 3 | US-10-152-398-346   | Sequence 346, App |
| 977  | 61   | 10.4 | 2794 | 3 | US-10-042-865-2      | Sequence 2, Appli | 1050 | 60.5 | 10.3 | 723 | 3 | US-10-123-907-346   | Sequence 346, App |
| 978  | 60.5 | 10.3 | 75   | 3 | US-10-703-032-141698 | Sequence 141698,  | 1051 | 60.5 | 10.3 | 723 | 3 | US-10-147-512-346   | Sequence 346, App |
| 979  | 60.5 | 10.3 | 92   | 3 | US-10-703-032-141780 | Sequence 141780,  | 1052 | 60.5 | 10.3 | 723 | 3 | US-10-147-485-346   | Sequence 346, App |
| 980  | 60.5 | 10.3 | 98   | 3 | US-09-950-933A-48    | Sequence 48, Appl | 1053 | 60.5 | 10.3 | 723 | 3 | US-10-124-814-346   | Sequence 346, App |
| 981  | 60.5 | 10.3 | 98   | 3 | US-10-976-102-48     | Sequence 48, Appl | 1054 | 60.5 | 10.3 | 723 | 3 | US-10-124-822-346   | Sequence 346, App |
| 982  | 60.5 | 10.3 | 99   | 3 | US-09-950-933A-82    | Sequence 82, Appl | 1055 | 60.5 | 10.3 | 723 | 3 | US-09-950-933A-9    | Sequence 9, Appli |
| 983  | 60.5 | 10.3 | 99   | 3 | US-10-976-102-82     | Sequence 133593,  | 1056 | 60.5 | 10.3 | 723 | 3 | US-10-131-833A-346  | Sequence 346, App |
| 984  | 60.5 | 10.3 | 110  | 3 | US-10-703-032-133593 | Sequence 39, Appl | 1057 | 60.5 | 10.3 | 723 | 3 | US-10-142-419-346   | Sequence 346, App |
| 985  | 60.5 | 10.3 | 115  | 3 | US-09-950-933A-39    | Sequence 39, Appl | 1058 | 60.5 | 10.3 | 723 | 3 | US-10-152-375-346   | Sequence 346, App |
| 986  | 60.5 | 10.3 | 115  | 3 | US-10-976-102-39     | Sequence 122834,  | 1059 | 60.5 | 10.3 | 723 | 3 | US-10-131-818A-346  | Sequence 9, Appli |
| 987  | 60.5 | 10.3 | 121  | 3 | US-10-703-032-122834 | Sequence 122834,  | 1060 | 60.5 | 10.3 | 723 | 3 | US-10-145-873-346   | Sequence 346, App |
| 988  | 60.5 | 10.3 | 141  | 3 | US-09-248-796A-17570 | Sequence 17570, A | 1061 | 60.5 | 10.3 | 723 | 3 | US-10-152-395-346   | Sequence 346, App |
| 989  | 60.5 | 10.3 | 170  | 3 | US-09-252-991A-22362 | Sequence 22362, A | 1062 | 60.5 | 10.3 | 723 | 3 | US-10-131-822A-346  | Sequence 346, App |
| 990  | 60.5 | 10.3 | 180  | 3 | US-09-461-688-4      | Sequence 4, Appli | 1063 | 60.5 | 10.3 | 723 | 3 | US-10-142-763-346   | Sequence 346, App |
| 991  | 60.5 | 10.3 | 182  | 3 | US-09-252-991A-25189 | Sequence 25189, A | 1064 | 60.5 | 10.3 | 723 | 3 | US-10-128-694A-346  | Sequence 346, App |
| 992  | 60.5 | 10.3 | 310  | 2 | US-07-791-931-6      | Sequence 6, Appli | 1065 | 60.5 | 10.3 | 723 | 3 | US-10-123-213-346   | Sequence 346, App |
| 993  | 60.5 | 10.3 | 324  | 1 | US-08-047-413-11     | Sequence 11, Appl | 1066 | 60.5 | 10.3 | 723 | 3 | US-10-152-395-346   | Sequence 346, App |
| 994  | 60.5 | 10.3 | 324  | 2 | US-08-229-050-11     | Sequence 11, Appl | 1067 | 60.5 | 10.3 | 723 | 3 | US-10-131-822A-346  | Sequence 346, App |
| 995  | 60.5 | 10.3 | 324  | 1 | US-08-801-563-11     | Sequence 11, Appl | 1068 | 60.5 | 10.3 | 723 | 3 | US-10-123-909-346   | Sequence 346, App |
| 996  | 60.5 | 10.3 | 349  | 1 | US-08-167-628-2      | Sequence 2, Appli | 1069 | 60.5 | 10.3 | 723 | 3 | US-11-051-631-9     | Sequence 9, Appli |
| 997  | 60.5 | 10.3 | 349  | 1 | US-08-386-680-2      | Sequence 2, Appli | 1070 | 60.5 | 10.3 | 723 | 3 | US-10-131-826A-346  | Sequence 346, App |
| 998  | 60.5 | 10.3 | 349  | 1 | US-08-459-717-2      | Sequence 2, Appli | 1071 | 60.5 | 10.3 | 723 | 3 | US-10-147-513-346   | Sequence 346, App |
| 999  | 60.5 | 10.3 | 349  | 1 | US-08-880-031-2      | Sequence 2, Appli | 1072 | 60.5 | 10.3 | 723 | 3 | US-10-121-043-346   | Sequence 346, App |
| 1000 | 60.5 | 10.3 | 349  | 2 | US-09-054-368-2      | Sequence 2, Appli | 1073 | 60.5 | 10.3 | 723 | 3 | US-10-139-980-346   | Sequence 346, App |
| 1001 | 60.5 | 10.3 | 349  | 2 | US-09-097-179-2      | Sequence 2, Appli | 1074 | 60.5 | 10.3 | 723 | 3 | US-09-866-028-15    | Sequence 15, Appl |
| 1002 | 60.5 | 10.3 | 349  | 2 | US-09-054-274-2      | Sequence 2, Appli | 1075 | 60.5 | 10.3 | 723 | 3 | US-09-944-457-15    | Sequence 15, Appl |
| 1003 | 60.5 | 10.3 | 349  | 2 | US-09-080-715-2      | Sequence 2, Appli | 1076 | 60.5 | 10.3 | 723 | 3 | US-09-945-584-15    | Sequence 15, Appl |
| 1004 | 60.5 | 10.3 | 349  | 2 | US-09-056-704-2      | Sequence 2, Appli | 1077 | 60.5 | 10.3 | 723 | 3 | US-09-944-944-15    | Sequence 15, Appl |
| 1005 | 60.5 | 10.3 | 349  | 2 | US-09-292-036-4      | Sequence 4, Appli | 1078 | 60.5 | 10.3 | 723 | 3 | US-09-945-587-15    | Sequence 15, Appl |
| 1006 | 60.5 | 10.3 | 349  | 2 | US-09-253-316-26     | Sequence 26, Appl | 1079 | 60.5 | 10.3 | 723 | 3 | US-09-944-884-15    | Sequence 15, Appl |
| 1007 | 60.5 | 10.3 | 349  | 2 | US-09-142-569-8      | Sequence 8, Appli | 1080 | 60.5 | 10.3 | 723 | 3 | US-10-183-001-38    | Sequence 38, Appl |
| 1008 | 60.5 | 10.3 | 349  | 2 | US-09-461-688-2      | Sequence 8, Appli | 1081 | 60.5 | 10.3 | 723 | 3 | US-10-174-576-38    | Sequence 38, Appl |
| 1009 | 60.5 | 10.3 | 349  | 2 | US-09-495-448A-8     | Sequence 8, Appli | 1082 | 60.5 | 10.3 | 723 | 3 | US-10-174-581-38    | Sequence 38, Appl |
| 1010 | 60.5 | 10.3 | 349  | 2 | US-09-949-016-6141   | Sequence 6141, Ap | 1083 | 60.5 | 10.3 | 723 | 3 | US-09-944-896-15    | Sequence 15, Appl |
| 1011 | 60.5 | 10.3 | 349  | 2 | US-10-053-753A-8     | Sequence 8, Appli | 1084 | 60.5 | 10.3 | 723 | 3 | US-10-207-916-38    | Sequence 38, Appl |
| 1012 | 60.5 | 10.3 | 349  | 3 | US-09-461-646-2      | Sequence 2, Appli | 1085 | 60.5 | 10.3 | 723 | 3 | US-10-174-583-38    | Sequence 38, Appl |
| 1013 | 60.5 | 10.3 | 349  | 3 | US-10-171-311-46     | Sequence 46, Appl | 1086 | 60.5 | 10.3 | 723 | 3 | US-10-187-745-38    | Sequence 38, Appl |
| 1014 | 60.5 | 10.3 | 349  | 3 | US-10-902-895-8      | Sequence 8, Appli | 1087 | 60.5 | 10.3 | 723 | 3 | US-08-936-135-18    | Sequence 18, Appl |
| 1015 | 60.5 | 10.3 | 349  | 3 | PCT-US96-08140-2     | Sequence 46, Appl | 1088 | 60.5 | 10.3 | 723 | 3 | US-08-439-711C-18   | Sequence 18, Appl |
| 1016 | 60.5 | 10.3 | 349  | 3 | US-09-252-991A-31718 | Sequence 31718, A | 1089 | 60.5 | 10.3 | 723 | 3 | US-08-936-135-20    | Sequence 20, Appl |
| 1017 | 60.5 | 10.3 | 357  | 2 | US-10-703-032-112954 | Sequence 112954,  | 1090 | 60.5 | 10.3 | 723 | 3 | US-09-583-638-4     | Sequence 4, Appli |
| 1018 | 60.5 | 10.3 | 371  | 3 | US-08-597-545-1      | Sequence 1, Appli | 1091 | 60.5 | 10.3 | 723 | 3 | US-08-327-832-5     | Sequence 5, Appli |
| 1019 | 60.5 | 10.3 | 385  | 1 | US-08-457-135-1      | Sequence 1, Appli | 1092 | 60.5 | 10.3 | 723 | 3 | US-08-828-584-5     | Sequence 5, Appli |
| 1020 | 60.5 | 10.3 | 385  | 1 | US-09-142-027A-10    | Sequence 10, Appl | 1093 | 60.5 | 10.3 | 723 | 3 | US-09-738-884-1     | Sequence 1, Appli |
| 1021 | 60.5 | 10.3 | 385  | 2 | US-09-252-991A-18787 | Sequence 18787, A | 1094 | 60.5 | 10.3 | 723 | 3 | US-10-096-961A-1    | Sequence 1, Appli |
| 1022 | 60.5 | 10.3 | 431  | 2 | US-09-635-872A-6     | Sequence 6, Appli | 1095 | 60.5 | 10.3 | 723 | 3 | US-08-185-432-19    | Sequence 19, Appl |
| 1023 | 60.5 | 10.3 | 515  | 2 | US-09-636-077A-6     | Sequence 6, Appli | 1096 | 60.5 | 10.3 | 723 | 3 | US-08-895-232-4     | Sequence 4, Appli |
| 1024 | 60.5 | 10.3 | 515  | 2 | US-09-636-060C-6     | Sequence 6, Appli | 1097 | 60.5 | 10.3 | 723 | 3 | US-09-121-457-4     | Sequence 4, Appli |
| 1025 | 60.5 | 10.3 | 515  | 2 | US-09-636-596C-6     | Sequence 6, Appli | 1098 | 60.5 | 10.3 | 723 | 3 | US-08-468-847B-18   | Sequence 18, Appl |
| 1026 | 60.5 | 10.3 | 515  | 2 | US-09-636-596C-6     | Sequence 6, Appli | 1099 | 60.5 | 10.3 | 723 | 3 | US-09-706-722A-2    | Sequence 2, Appli |
| 1027 | 60.5 | 10.3 | 515  | 2 | US-10-023-894-18     | Sequence 18, Appl | 1100 | 60.5 | 10.3 | 723 | 3 | US-09-949-016-9771  | Sequence 9, Appli |
| 1028 | 60.5 | 10.3 | 515  | 2 | US-10-306-686-6      | Sequence 6, Appli | 1101 | 60.5 | 10.3 | 723 | 3 | US-08-327-832-5     | Sequence 5, Appli |
| 1029 | 60.5 | 10.3 | 515  | 2 | US-09-895-072-6      | Sequence 18, Appl | 1102 | 60.5 | 10.3 | 723 | 3 | US-08-828-584-5     | Sequence 5, Appli |
| 1030 | 60.5 | 10.3 | 515  | 2 | US-10-023-888-18     | Sequence 6, Appli | 1103 | 60.5 | 10.3 | 723 | 3 | US-09-439-711C-20   | Sequence 20, Appl |
| 1031 | 60.5 | 10.3 | 515  | 2 | US-10-657-280-6      | Sequence 18, Appl | 1104 | 60.5 | 10.3 | 723 | 3 | US-09-583-638-4     | Sequence 4, Appli |
| 1032 | 60.5 | 10.3 | 515  | 2 | US-10-901-216-18     | Sequence 18, Appl | 1104 | 60.5 | 10.3 | 723 | 3 | US-08-828-584-5     | Sequence 5, Appli |
| 1033 | 60.5 | 10.3 | 515  | 2 | US-09-068-740A-3     | Sequence 3, Appli | 1105 | 60.5 | 10.3 | 723 | 3 | US-10-096-961A-1    | Sequence 1, Appli |
| 1034 | 60.5 | 10.3 | 520  | 3 | US-09-995-593A-3     | Sequence 3, Appli | 1106 | 60.5 | 10.3 | 723 | 3 | US-08-185-432-19    | Sequence 19, Appl |
| 1035 | 60.5 | 10.3 | 520  | 3 | US-11-043-357-3      | Sequence 3, Appli | 1107 | 60.5 | 10.3 | 723 | 3 | US-08-895-232-4     | Sequence 4, Appli |
| 1036 | 60.5 | 10.3 | 520  | 3 | US-11-051-631-3      | Sequence 3, Appli | 1108 | 60.5 | 10.3 | 723 | 3 | US-09-121-457-4     | Sequence 4, Appli |
| 1037 | 60.5 | 10.3 | 520  | 3 | US-10-455-719-273    | Sequence 273, App | 1109 | 60.5 | 10.3 | 723 | 3 | US-08-468-847B-18   | Sequence 18, Appl |
| 1038 | 60.5 | 10.3 | 563  | 2 | US-09-068-740A-4     | Sequence 4, Appli | 1110 | 60.5 | 10.3 | 723 | 3 | US-09-706-722A-2    | Sequence 2, Appli |
| 1039 | 60.5 | 10.3 | 702  | 2 | US-09-995-593A-4     | Sequence 4, Appli | 1111 | 60.5 | 10.3 | 723 | 3 | US-09-949-016-6782  | Sequence 2, Appli |
| 1040 | 60.5 | 10.3 | 702  | 3 | US-09-995-593A-4     | Sequence 4, Appli | 1112 | 60.5 | 10.3 | 723 | 3 | PCT-US94-14388-2    | Sequence 10546, A |
| 1041 | 60.5 | 10.3 | 702  | 3 | US-11-043-357-4      | Sequence 4, Appli | 1113 | 60.5 | 10.3 | 723 | 3 | US-09-949-016-10546 | Sequence 6, Appli |
| 1042 | 60.5 | 10.3 | 702  | 3 | US-11-051-631-4      | Sequence 4, Appli | 1114 | 60.5 | 10.3 | 723 | 3 | US-09-512-363-6     | Sequence 6, Appli |
| 1043 | 60.5 | 10.3 | 702  | 3 | US-09-068-740A-9     | Sequence 9, Appli | 1115 | 60.5 | 10.3 | 723 | 3 | US-09-176-200-6     | Sequence 6, Appli |
| 1044 | 60.5 | 10.3 | 723  | 2 | US-09-423-753-27     | Sequence 27, Appl | 1116 | 60.5 | 10.3 | 723 | 3 | US-09-915-593-6     | Sequence 6, Appli |
| 1045 | 60.5 | 10.3 | 723  | 2 | US-09-641-612-6      | Sequence 6, Appli | 1117 | 60.5 | 10.3 | 723 | 3 | US-09-489-039A-7372 | Sequence 7372, Ap |
| 1046 | 60.5 | 10.3 | 723  | 2 | US-10-241-476-27     | Sequence 27, Appl | 1118 | 60.5 | 10.3 | 723 | 3 | US-10-108-260A-2665 | Sequence 2665, Ap |
| 1047 | 60.5 | 10.3 | 723  | 3 | US-10-123-292-346    | Sequence 346, App | 1119 | 60.5 | 10.3 | 723 | 3 | US-09-193-562D-13   | Sequence 13, Appl |
| 1048 | 60.5 | 10.3 | 723  | 3 |                      |                   | 1120 | 60.5 | 10.3 | 723 | 3 | US-10-055-412B-13   | Sequence 13, Appl |
|      |      |      |      |   |                      |                   | 1121 | 60.5 | 10.3 | 723 | 3 |                     |                   |



|      |    |      |      |   |                      |                   |      |      |      |      |   |                      |                      |
|------|----|------|------|---|----------------------|-------------------|------|------|------|------|---|----------------------|----------------------|
| 1122 | 60 | 10.2 | 351  | 1 | US-08-468-847B-16    | Sequence 16, Appl | 1195 | 60   | 10.2 | 1523 | 3 | US-10-015-480A-198   | Sequence 198, App    |
| 1123 | 60 | 10.2 | 351  | 2 | US-09-495-448A-34    | Sequence 34, Appl | 1196 | 60   | 10.2 | 1523 | 3 | US-10-006-172A-198   | Sequence 198, App    |
| 1124 | 60 | 10.2 | 351  | 3 | US-10-053-753A-21    | Sequence 21, Appl | 1197 | 60   | 10.2 | 1523 | 3 | US-10-015-395A-198   | Sequence 198, App    |
| 1125 | 60 | 10.2 | 351  | 4 | US-10-902-895-34     | Sequence 34, Appl | 1198 | 60   | 10.2 | 1523 | 3 | US-10-183-001-290    | Sequence 290, App    |
| 1126 | 60 | 10.2 | 399  | 2 | US-09-807-802A-9     | Sequence 9, Appl  | 1199 | 60   | 10.2 | 1523 | 3 | US-10-015-610A-198   | Sequence 198, App    |
| 1127 | 60 | 10.2 | 399  | 3 | US-10-696-282-9      | Sequence 9, Appl  | 1200 | 60   | 10.2 | 1523 | 3 | US-10-180-998-290    | Sequence 290, App    |
| 1128 | 60 | 10.2 | 399  | 3 | US-10-696-900-9      | Sequence 9, Appl  | 1201 | 60   | 10.2 | 1523 | 3 | US-10-201-769-290    | Sequence 290, App    |
| 1129 | 60 | 10.2 | 401  | 3 | US-10-846-374B-8     | Sequence 8, Appl  | 1202 | 60   | 10.2 | 1523 | 3 | US-10-006-130A-198   | Sequence 198, App    |
| 1130 | 60 | 10.2 | 623  | 2 | US-09-807-802A-2     | Sequence 2, Appl  | 1203 | 60   | 10.2 | 1523 | 3 | US-10-174-576-290    | Sequence 290, App    |
| 1131 | 60 | 10.2 | 623  | 3 | US-09-807-802A-5     | Sequence 5, Appl  | 1204 | 60   | 10.2 | 1523 | 3 | US-10-174-581-290    | Sequence 290, App    |
| 1132 | 60 | 10.2 | 623  | 3 | US-10-696-282-2      | Sequence 2, Appl  | 1205 | 60   | 10.2 | 1523 | 3 | US-10-015-869A-198   | Sequence 198, App    |
| 1133 | 60 | 10.2 | 623  | 3 | US-10-696-282-5      | Sequence 5, Appl  | 1206 | 60   | 10.2 | 1523 | 3 | US-10-207-916-290    | Sequence 290, App    |
| 1134 | 60 | 10.2 | 623  | 3 | US-10-696-900-2      | Sequence 2, Appl  | 1207 | 60   | 10.2 | 1523 | 3 | US-10-174-583-290    | Sequence 290, App    |
| 1135 | 60 | 10.2 | 623  | 3 | US-10-696-900-5      | Sequence 5, Appl  | 1208 | 60   | 10.2 | 1523 | 3 | US-10-187-745-290    | Sequence 290, App    |
| 1136 | 60 | 10.2 | 795  | 2 | US-08-133-562D-11    | Sequence 11, Appl | 1209 | 59.5 | 10.1 | 70   | 2 | US-09-894-882-238    | Sequence 238, App    |
| 1137 | 60 | 10.2 | 795  | 2 | US-10-055-412B-11    | Sequence 11, Appl | 1210 | 59.5 | 10.1 | 70   | 3 | US-10-703-032-172933 | Sequence 172933, App |
| 1138 | 60 | 10.2 | 802  | 2 | US-09-999-833A-169   | Sequence 169, App | 1211 | 59.5 | 10.1 | 74   | 1 | US-08-543-238-2      | Sequence 2, Appl     |
| 1139 | 60 | 10.2 | 802  | 2 | US-10-020-445A-169   | Sequence 169, App | 1212 | 59.5 | 10.1 | 74   | 1 | US-08-420-526-2      | Sequence 2, Appl     |
| 1140 | 60 | 10.2 | 802  | 2 | US-09-978-189-169    | Sequence 169, App | 1213 | 59.5 | 10.1 | 78   | 3 | US-10-703-032-139163 | Sequence 139163, App |
| 1141 | 60 | 10.2 | 802  | 2 | US-10-017-085A-169   | Sequence 169, App | 1214 | 59.5 | 10.1 | 86   | 3 | US-10-703-032-169657 | Sequence 169657, App |
| 1142 | 60 | 10.2 | 802  | 3 | US-10-145-129A-169   | Sequence 169, App | 1215 | 59.5 | 10.1 | 230  | 2 | US-09-252-991A-25728 | Sequence 25728, A    |
| 1143 | 60 | 10.2 | 802  | 3 | US-10-013-929A-169   | Sequence 169, App | 1216 | 59.5 | 10.1 | 258  | 2 | US-09-252-991A-28812 | Sequence 28812, A    |
| 1144 | 60 | 10.2 | 802  | 3 | US-10-013-917A-169   | Sequence 169, App | 1217 | 59.5 | 10.1 | 275  | 3 | US-10-703-032-141333 | Sequence 141333, App |
| 1145 | 60 | 10.2 | 802  | 3 | US-10-013-925A-169   | Sequence 169, App | 1218 | 59.5 | 10.1 | 574  | 3 | US-10-725-013-2      | Sequence 2, Appl     |
| 1146 | 60 | 10.2 | 802  | 3 | US-10-162-521A-169   | Sequence 169, App | 1219 | 59.5 | 10.1 | 886  | 2 | US-09-110-116-3      | Sequence 3, Appl     |
| 1147 | 60 | 10.2 | 802  | 3 | US-10-145-016A-169   | Sequence 169, App | 1220 | 59.5 | 10.1 | 886  | 2 | US-09-631-603-14     | Sequence 14, Appl    |
| 1148 | 60 | 10.2 | 802  | 3 | US-10-013-926A-169   | Sequence 169, App | 1221 | 59.5 | 10.1 | 1799 | 2 | US-09-845-583A-6     | Sequence 6, Appl     |
| 1149 | 60 | 10.2 | 802  | 3 | US-10-162-522A-169   | Sequence 169, App | 1222 | 59   | 10.0 | 78   | 3 | US-10-072-809B-22    | Sequence 22, Appl    |
| 1150 | 60 | 10.2 | 802  | 3 | US-10-143-029A-169   | Sequence 169, App | 1223 | 59   | 10.0 | 149  | 3 | US-10-703-032-152836 | Sequence 152836, App |
| 1151 | 60 | 10.2 | 802  | 3 | US-10-165-247A-169   | Sequence 169, App | 1224 | 59   | 10.0 | 175  | 2 | US-09-252-991A-30055 | Sequence 30055, A    |
| 1152 | 60 | 10.2 | 802  | 3 | US-10-017-086A-169   | Sequence 169, App | 1225 | 59   | 10.0 | 258  | 2 | US-09-579-845-9      | Sequence 9, Appl     |
| 1153 | 60 | 10.2 | 802  | 3 | US-09-999-832A-169   | Sequence 169, App | 1226 | 59   | 10.0 | 315  | 3 | US-10-433-005A-10    | Sequence 10, Appl    |
| 1154 | 60 | 10.2 | 802  | 3 | US-10-143-031A-169   | Sequence 169, App | 1227 | 59   | 10.0 | 315  | 3 | US-10-225-066A-994   | Sequence 994, App    |
| 1155 | 60 | 10.2 | 802  | 3 | US-10-013-923A-169   | Sequence 169, App | 1228 | 59   | 10.0 | 319  | 2 | US-08-835-279-2      | Sequence 2, Appl     |
| 1156 | 60 | 10.2 | 802  | 3 | US-10-013-927A-169   | Sequence 169, App | 1229 | 59   | 10.0 | 348  | 3 | US-10-213-044-16     | Sequence 16, Appl    |
| 1157 | 60 | 10.2 | 802  | 3 | US-10-145-087A-169   | Sequence 169, App | 1230 | 59   | 10.0 | 348  | 3 | US-10-245-913-74     | Sequence 74, Appl    |
| 1158 | 60 | 10.2 | 802  | 3 | US-09-978-564A-169   | Sequence 169, App | 1231 | 59   | 10.0 | 348  | 3 | US-10-245-752-74     | Sequence 74, Appl    |
| 1159 | 60 | 10.2 | 802  | 3 | US-09-978-375A-169   | Sequence 169, App | 1232 | 59   | 10.0 | 348  | 3 | US-10-242-095-74     | Sequence 74, Appl    |
| 1160 | 60 | 10.2 | 802  | 3 | US-10-165-353A-169   | Sequence 169, App | 1233 | 59   | 10.0 | 348  | 3 | US-10-242-652-74     | Sequence 74, Appl    |
| 1161 | 60 | 10.2 | 802  | 3 | US-10-143-030A-169   | Sequence 169, App | 1234 | 59   | 10.0 | 349  | 3 | US-10-305-278-296    | Sequence 296, App    |
| 1162 | 60 | 10.2 | 802  | 3 | US-10-145-089A-169   | Sequence 169, App | 1235 | 59   | 10.0 | 372  | 2 | US-09-252-991A-20108 | Sequence 20108, A    |
| 1163 | 60 | 10.2 | 802  | 3 | US-10-170-481A-169   | Sequence 169, App | 1236 | 59   | 10.0 | 377  | 3 | US-09-252-691C-6958  | Sequence 6958, App   |
| 1164 | 60 | 10.2 | 802  | 3 | US-10-160-502A-169   | Sequence 169, App | 1237 | 59   | 10.0 | 383  | 2 | US-09-142-027A-12    | Sequence 12, Appl    |
| 1165 | 60 | 10.2 | 821  | 2 | US-09-193-562D-12    | Sequence 12, Appl | 1238 | 59   | 10.0 | 474  | 1 | US-08-650-000-4      | Sequence 4, Appl     |
| 1166 | 60 | 10.2 | 863  | 2 | US-10-055-412B-12    | Sequence 12, Appl | 1239 | 59   | 10.0 | 474  | 2 | US-09-042-785A-8     | Sequence 8, Appl     |
| 1167 | 60 | 10.2 | 863  | 3 | US-10-617-351-3      | Sequence 3, Appl  | 1240 | 59   | 10.0 | 474  | 2 | US-09-758-124-4      | Sequence 4, Appl     |
| 1168 | 60 | 10.2 | 905  | 2 | US-09-193-562D-2     | Sequence 2, Appl  | 1241 | 59   | 10.0 | 474  | 3 | US-10-420-785A-4     | Sequence 4, Appl     |
| 1169 | 60 | 10.2 | 905  | 2 | US-09-193-562D-2     | Sequence 2, Appl  | 1242 | 59   | 10.0 | 474  | 7 | US-09-758-124-4      | Sequence 4, Appl     |
| 1170 | 60 | 10.2 | 1227 | 2 | US-09-252-991A-16636 | Sequence 16636, A | 1243 | 59   | 10.0 | 621  | 2 | US-09-026-001A-6     | Sequence 6, Appl     |
| 1171 | 60 | 10.2 | 1523 | 2 | US-09-182-024A-2     | Sequence 2, Appl  | 1244 | 59   | 10.0 | 621  | 2 | US-09-996-620-6      | Sequence 6, Appl     |
| 1172 | 60 | 10.2 | 1523 | 2 | US-10-012-231A-198   | Sequence 198, App | 1245 | 59   | 10.0 | 836  | 3 | US-10-108-260A-3700  | Sequence 3700, App   |
| 1173 | 60 | 10.2 | 1523 | 2 | US-10-015-389A-198   | Sequence 198, App | 1246 | 59   | 10.0 | 1153 | 2 | US-09-560-385A-16    | Sequence 16, Appl    |
| 1174 | 60 | 10.2 | 1523 | 2 | US-10-006-768A-198   | Sequence 198, App | 1247 | 59   | 10.0 | 1170 | 2 | US-09-561-709B-12    | Sequence 12, Appl    |
| 1175 | 60 | 10.2 | 1523 | 2 | US-10-015-671A-198   | Sequence 198, App | 1248 | 59   | 10.0 | 1170 | 2 | US-09-560-385A-14    | Sequence 14, Appl    |
| 1176 | 60 | 10.2 | 1523 | 2 | US-10-015-393A-198   | Sequence 198, App | 1249 | 59   | 10.0 | 1253 | 2 | US-08-479-722B-4     | Sequence 4, Appl     |
| 1177 | 60 | 10.2 | 1523 | 2 | US-10-011-833A-198   | Sequence 198, App | 1250 | 59   | 10.0 | 1253 | 2 | US-09-592-685-4      | Sequence 4, Appl     |
| 1178 | 60 | 10.2 | 1523 | 2 | US-10-006-041A-198   | Sequence 198, App | 1251 | 59   | 10.0 | 1404 | 1 | US-08-400-159-2      | Sequence 2, Appl     |
| 1179 | 60 | 10.2 | 1523 | 2 | US-10-012-064A-198   | Sequence 198, App | 1252 | 59   | 10.0 | 1404 | 2 | US-08-611-729A-2     | Sequence 2, Appl     |
| 1180 | 60 | 10.2 | 1523 | 2 | US-10-015-392A-198   | Sequence 198, App | 1253 | 59   | 10.0 | 1404 | 2 | US-09-195-524-2      | Sequence 2, Appl     |
| 1181 | 60 | 10.2 | 1523 | 3 | US-10-011-795B-198   | Sequence 198, App | 1254 | 58.5 | 9.9  | 84   | 3 | US-10-000-986A-206   | Sequence 206, App    |
| 1182 | 60 | 10.2 | 1523 | 3 | US-10-015-386A-198   | Sequence 198, App | 1255 | 58.5 | 9.9  | 84   | 3 | US-09-992-600B-206   | Sequence 206, App    |
| 1183 | 60 | 10.2 | 1523 | 3 | US-10-012-121A-198   | Sequence 198, App | 1256 | 58.5 | 9.9  | 84   | 3 | US-09-999-570A-206   | Sequence 206, App    |
| 1184 | 60 | 10.2 | 1523 | 3 | US-10-006-485A-198   | Sequence 198, App | 1257 | 58.5 | 9.9  | 84   | 3 | US-10-001-142C-206   | Sequence 206, App    |
| 1185 | 60 | 10.2 | 1523 | 3 | US-10-006-746A-198   | Sequence 198, App | 1258 | 58.5 | 9.9  | 124  | 3 | US-09-252-691C-10808 | Sequence 10808, A    |
| 1186 | 60 | 10.2 | 1523 | 3 | US-10-012-752A-198   | Sequence 198, App | 1259 | 58.5 | 9.9  | 138  | 3 | US-09-855-604A-615   | Sequence 615, App    |
| 1187 | 60 | 10.2 | 1523 | 3 | US-10-017-253A-198   | Sequence 198, App | 1260 | 58.5 | 9.9  | 139  | 3 | US-10-108-260A-3259  | Sequence 3259, App   |
| 1188 | 60 | 10.2 | 1523 | 3 | US-10-015-519A-198   | Sequence 198, App | 1261 | 58.5 | 9.9  | 141  | 2 | US-09-621-976-4236   | Sequence 4236, App   |
| 1189 | 60 | 10.2 | 1523 | 3 | US-10-015-715A-198   | Sequence 198, App | 1262 | 58.5 | 9.9  | 143  | 2 | US-09-270-767-3302   | Sequence 3302, A     |
| 1190 | 60 | 10.2 | 1523 | 3 | US-10-007-236A-198   | Sequence 198, App | 1263 | 58.5 | 9.9  | 143  | 2 | US-09-270-767-48519  | Sequence 48519, A    |
| 1191 | 60 | 10.2 | 1523 | 3 | US-10-012-149A-198   | Sequence 198, App | 1264 | 58.5 | 9.9  | 148  | 2 | US-08-329-799-35     | Sequence 35, Appl    |
| 1192 | 60 | 10.2 | 1523 | 3 | US-10-007-194A-198   | Sequence 198, App | 1265 | 58.5 | 9.9  | 164  | 3 | US-10-703-032-182470 | Sequence 182470, App |
| 1193 | 60 | 10.2 | 1523 | 3 | US-10-013-910A-198   | Sequence 198, App | 1266 | 58.5 | 9.9  | 172  | 3 | US-09-899-422A-20    | Sequence 20, Appl    |
| 1194 | 60 | 10.2 | 1523 | 3 | US-10-006-117A-198   | Sequence 198, App | 1267 | 58.5 | 9.9  | 180  | 2 | US-09-510-238A-286   | Sequence 286, App    |

|      |      |     |     |   |                      |                   |      |      |     |      |   |                      |                   |
|------|------|-----|-----|---|----------------------|-------------------|------|------|-----|------|---|----------------------|-------------------|
| 1268 | 58.5 | 9.9 | 183 | 3 | US-09-899-422A-10    | Sequence 10, Appl | 1341 | 58.5 | 9.9 | 455  | 3 | US-09-899-422A-27    | Sequence 27, Appl |
| 1269 | 58.5 | 9.9 | 189 | 3 | US-10-000-986A-205   | Sequence 205, App | 1342 | 58.5 | 9.9 | 458  | 2 | US-09-949-016-7946   | Sequence 7946, Ap |
| 1270 | 58.5 | 9.9 | 189 | 3 | US-09-992-600B-205   | Sequence 205, App | 1343 | 58.5 | 9.9 | 480  | 3 | US-10-703-032-109121 | Sequence 109121,  |
| 1271 | 58.5 | 9.9 | 189 | 3 | US-09-999-570A-205   | Sequence 205, App | 1344 | 58.5 | 9.9 | 503  | 1 | US-08-481-337A-2     | Sequence 2, Appli |
| 1272 | 58.5 | 9.9 | 189 | 3 | US-10-001-142C-205   | Sequence 12, Appl | 1345 | 58.5 | 9.9 | 503  | 2 | US-08-696-268B-2     | Sequence 2, Appli |
| 1273 | 58.5 | 9.9 | 200 | 3 | US-09-899-422A-12    | Sequence 12, Appl | 1346 | 58.5 | 9.9 | 503  | 2 | US-09-382-256-2      | Sequence 2, Appli |
| 1274 | 58.5 | 9.9 | 206 | 2 | US-09-134-000C-3471  | Sequence 3471, Ap | 1347 | 58.5 | 9.9 | 503  | 2 | US-09-395-115-2      | Sequence 2, Appli |
| 1275 | 58.5 | 9.9 | 211 | 3 | US-09-899-422A-8     | Sequence 8, Appli | 1348 | 58.5 | 9.9 | 503  | 2 | US-08-436-265-2      | Sequence 2, Appli |
| 1276 | 58.5 | 9.9 | 213 | 2 | US-10-125-062-1      | Sequence 1, Appli | 1349 | 58.5 | 9.9 | 503  | 2 | US-09-679-187-2      | Sequence 2, Appli |
| 1277 | 58.5 | 9.9 | 213 | 3 | US-10-900-857-1      | Sequence 1, Appli | 1350 | 58.5 | 9.9 | 503  | 2 | US-08-448-371A-2     | Sequence 2, Appli |
| 1278 | 58.5 | 9.9 | 280 | 2 | US-08-974-022-46     | Sequence 46, Appl | 1351 | 58.5 | 9.9 | 503  | 2 | US-09-267-963D-2     | Sequence 2, Appli |
| 1279 | 58.5 | 9.9 | 280 | 2 | US-08-795-445A-46    | Sequence 46, Appl | 1352 | 58.5 | 9.9 | 503  | 2 | US-09-903-068C-2     | Sequence 2, Appli |
| 1280 | 58.5 | 9.9 | 280 | 2 | US-08-795-447A-46    | Sequence 46, Appl | 1353 | 58.5 | 9.9 | 503  | 3 | US-09-982-543A-2     | Sequence 2, Appli |
| 1281 | 58.5 | 9.9 | 280 | 2 | US-08-974-186-46     | Sequence 46, Appl | 1354 | 58.5 | 9.9 | 503  | 5 | FCT-US95-05467-2     | Sequence 18, Appl |
| 1282 | 58.5 | 9.9 | 280 | 2 | US-08-795-446B-46    | Sequence 46, Appl | 1355 | 58.5 | 9.9 | 540  | 1 | US-09-792-200C-18    | Sequence 8, Appli |
| 1283 | 58.5 | 9.9 | 280 | 2 | US-08-706-945D-132   | Sequence 132, App | 1356 | 58.5 | 9.9 | 549  | 1 | US-08-494-168-8      | Sequence 10264, A |
| 1284 | 58.5 | 9.9 | 280 | 2 | US-08-577-788C-46    | Sequence 46, Appl | 1357 | 58.5 | 9.9 | 577  | 2 | US-09-949-016-10264  | Sequence 3668, Ap |
| 1285 | 58.5 | 9.9 | 280 | 3 | US-09-613-591F-129   | Sequence 129, App | 1358 | 58.5 | 9.9 | 593  | 3 | US-10-108-260A-3668  | Sequence 10, Appl |
| 1286 | 58.5 | 9.9 | 291 | 3 | US-10-000-986A-204   | Sequence 204, App | 1359 | 58.5 | 9.9 | 608  | 3 | US-10-363-427-10     | Sequence 6, Appli |
| 1287 | 58.5 | 9.9 | 291 | 3 | US-09-992-600B-204   | Sequence 204, App | 1360 | 58.5 | 9.9 | 628  | 3 | US-10-363-427-6      | Sequence 9, Appli |
| 1288 | 58.5 | 9.9 | 291 | 3 | US-09-999-570A-204   | Sequence 204, App | 1361 | 58.5 | 9.9 | 735  | 2 | US-09-191-647-9      | Sequence 9, Appli |
| 1289 | 58.5 | 9.9 | 291 | 3 | US-10-001-142C-204   | Sequence 204, App | 1362 | 58.5 | 9.9 | 735  | 2 | US-09-540-245A-9     | Sequence 9, Appli |
| 1290 | 58.5 | 9.9 | 301 | 2 | US-09-252-991A-31214 | Sequence 31214, A | 1363 | 58.5 | 9.9 | 735  | 2 | US-09-540-153-9      | Sequence 9, Appli |
| 1291 | 58.5 | 9.9 | 329 | 2 | US-10-300-819B-17    | Sequence 17, Appl | 1364 | 58.5 | 9.9 | 735  | 2 | US-10-289-776-9      | Sequence 70, Appl |
| 1292 | 58.5 | 9.9 | 336 | 2 | US-08-804-166-8      | Sequence 8, Appli | 1365 | 58.5 | 9.9 | 787  | 2 | US-10-000-489-70     | Sequence 70, Appl |
| 1293 | 58.5 | 9.9 | 336 | 2 | US-08-910-991-8      | Sequence 8, Appli | 1366 | 58.5 | 9.9 | 787  | 2 | US-09-992-095B-70    | Sequence 70, Appl |
| 1294 | 58.5 | 9.9 | 336 | 2 | US-09-756-186-8      | Sequence 8, Appli | 1367 | 58.5 | 9.9 | 787  | 2 | US-10-000-986A-70    | Sequence 70, Appl |
| 1295 | 58.5 | 9.9 | 347 | 2 | US-09-187-478-2      | Sequence 2, Appli | 1368 | 58.5 | 9.9 | 787  | 3 | US-09-992-600B-70    | Sequence 70, Appl |
| 1296 | 58.5 | 9.9 | 347 | 2 | US-09-292-036-2      | Sequence 2, Appli | 1369 | 58.5 | 9.9 | 787  | 3 | US-09-924-340-70     | Sequence 70, Appl |
| 1297 | 58.5 | 9.9 | 381 | 2 | US-09-711-681-2      | Sequence 2, Appli | 1370 | 58.5 | 9.9 | 787  | 3 | US-09-999-570A-70    | Sequence 70, Appl |
| 1298 | 58.5 | 9.9 | 381 | 2 | US-10-274-266-2      | Sequence 2, Appli | 1371 | 58.5 | 9.9 | 787  | 3 | US-10-001-142C-70    | Sequence 70, Appl |
| 1299 | 58.5 | 9.9 | 397 | 3 | US-10-000-986A-203   | Sequence 203, App | 1372 | 58.5 | 9.9 | 787  | 3 | US-10-219-074-90     | Sequence 90, Appl |
| 1300 | 58.5 | 9.9 | 397 | 3 | US-09-992-600B-203   | Sequence 203, App | 1373 | 58.5 | 9.9 | 787  | 3 | US-10-227-873-90     | Sequence 90, Appl |
| 1301 | 58.5 | 9.9 | 397 | 3 | US-09-999-570A-203   | Sequence 203, App | 1374 | 58.5 | 9.9 | 787  | 3 | US-10-218-849-90     | Sequence 90, Appl |
| 1302 | 58.5 | 9.9 | 397 | 3 | US-10-001-142C-203   | Sequence 203, App | 1375 | 58.5 | 9.9 | 787  | 3 | US-10-216-168-90     | Sequence 90, Appl |
| 1303 | 58.5 | 9.9 | 414 | 3 | US-10-703-032-122514 | Sequence 122514,  | 1376 | 58.5 | 9.9 | 909  | 2 | US-08-936-135-8      | Sequence 8, Appli |
| 1304 | 58.5 | 9.9 | 416 | 2 | US-08-747-562-37     | Sequence 37, Appl | 1377 | 58.5 | 9.9 | 909  | 2 | US-08-936-135-8      | Sequence 10, Appl |
| 1305 | 58.5 | 9.9 | 426 | 2 | US-10-349-977-37     | Sequence 37, Appl | 1378 | 58.5 | 9.9 | 909  | 2 | US-09-013-895A-4     | Sequence 4, Appli |
| 1306 | 58.5 | 9.9 | 426 | 3 | US-10-156-902A-294   | Sequence 294, App | 1379 | 58.5 | 9.9 | 909  | 2 | US-09-448-868-4      | Sequence 4, Appli |
| 1307 | 58.5 | 9.9 | 428 | 3 | US-10-363-427-2      | Sequence 2, Appli | 1380 | 58.5 | 9.9 | 909  | 2 | US-09-439-711C-8     | Sequence 8, Appli |
| 1308 | 58.5 | 9.9 | 444 | 3 | US-03-086-483A-5     | Sequence 5, Appli | 1381 | 58.5 | 9.9 | 909  | 2 | US-09-439-711C-10    | Sequence 10, Appl |
| 1309 | 58.5 | 9.9 | 453 | 2 | US-08-580-212-5      | Sequence 5, Appli | 1382 | 58.5 | 9.9 | 909  | 2 | US-10-226-296-4      | Sequence 4, Appli |
| 1310 | 58.5 | 9.9 | 453 | 2 | US-09-769-402-5      | Sequence 5, Appli | 1383 | 58.5 | 9.9 | 909  | 3 | US-10-226-318-4      | Sequence 4, Appli |
| 1311 | 58.5 | 9.9 | 453 | 2 | US-10-280-047-5      | Sequence 5, Appli | 1384 | 58.5 | 9.9 | 914  | 2 | US-08-936-135-12     | Sequence 12, Appl |
| 1312 | 58.5 | 9.9 | 453 | 2 | US-08-321-668-2      | Sequence 2, Appli | 1385 | 58.5 | 9.9 | 914  | 2 | US-09-439-711C-12    | Sequence 12, Appl |
| 1313 | 58.5 | 9.9 | 455 | 1 | US-08-050-319B-25    | Sequence 25, Appl | 1386 | 58.5 | 9.9 | 925  | 2 | US-09-116-473-2      | Sequence 2, Appli |
| 1314 | 58.5 | 9.9 | 455 | 1 | US-08-837-941-2      | Sequence 2, Appli | 1387 | 58.5 | 9.9 | 926  | 2 | US-08-936-135-14     | Sequence 14, Appl |
| 1315 | 58.5 | 9.9 | 455 | 1 | US-08-126-016-2      | Sequence 2, Appli | 1388 | 58.5 | 9.9 | 926  | 2 | US-09-439-711C-14    | Sequence 14, Appl |
| 1316 | 58.5 | 9.9 | 455 | 1 | US-08-465-982-25     | Sequence 25, Appl | 1389 | 58.5 | 9.9 | 931  | 2 | US-09-439-711C-16    | Sequence 16, Appl |
| 1317 | 58.5 | 9.9 | 455 | 2 | US-08-815-469-5      | Sequence 5, Appli | 1390 | 58.5 | 9.9 | 1111 | 1 | US-08-317-450B-15    | Sequence 15, Appl |
| 1318 | 58.5 | 9.9 | 455 | 2 | US-09-006-353A-3     | Sequence 3, Appli | 1391 | 58.5 | 9.9 | 1111 | 2 | US-09-756-071B-15    | Sequence 15, Appl |
| 1319 | 58.5 | 9.9 | 455 | 2 | US-09-527-236A-5     | Sequence 5, Appli | 1392 | 58.5 | 9.9 | 1111 | 2 | US-09-560-385A-28    | Sequence 28, Appl |
| 1320 | 58.5 | 9.9 | 455 | 2 | US-08-054-970-2      | Sequence 2, Appli | 1393 | 58.5 | 9.9 | 1172 | 2 | US-09-560-385A-32    | Sequence 32, Appl |
| 1321 | 58.5 | 9.9 | 455 | 2 | US-09-565-918-4      | Sequence 4, Appli | 1394 | 58.5 | 9.9 | 1172 | 1 | US-08-317-450B-13    | Sequence 13, Appl |
| 1322 | 58.5 | 9.9 | 455 | 2 | US-09-573-986-3      | Sequence 3, Appli | 1395 | 58.5 | 9.9 | 1193 | 2 | US-08-800-593-13     | Sequence 13, Appl |
| 1323 | 58.5 | 9.9 | 455 | 2 | US-09-027-287-3      | Sequence 3, Appli | 1396 | 58.5 | 9.9 | 1193 | 2 | US-08-800-593-13     | Sequence 30, Appl |
| 1324 | 58.5 | 9.9 | 455 | 2 | US-09-252-656B-3     | Sequence 3, Appli | 1397 | 58.5 | 9.9 | 1193 | 2 | US-09-560-385A-26    | Sequence 26, Appl |
| 1325 | 58.5 | 9.9 | 455 | 2 | US-08-406-824A-4     | Sequence 4, Appli | 1398 | 58.5 | 9.9 | 1193 | 2 | US-09-560-385A-30    | Sequence 31, Appl |
| 1326 | 58.5 | 9.9 | 455 | 2 | US-09-523-323-3      | Sequence 3, Appli | 1399 | 58.5 | 9.9 | 1193 | 2 | US-10-053-662A-31    | Sequence 13, Appl |
| 1327 | 58.5 | 9.9 | 455 | 2 | US-09-756-854-5      | Sequence 5, Appli | 1400 | 58.5 | 9.9 | 1193 | 2 | US-09-756-071B-13    | Sequence 115, App |
| 1328 | 58.5 | 9.9 | 455 | 2 | US-09-557-908-5      | Sequence 5, Appli | 1401 | 58.5 | 9.9 | 1193 | 3 | US-10-171-311-115    | Sequence 9, Appli |
| 1329 | 58.5 | 9.9 | 455 | 2 | US-09-874-138-3      | Sequence 3, Appli | 1402 | 58.5 | 9.9 | 1712 | 2 | US-09-961-403-9      | Sequence 9270, Ap |
| 1330 | 58.5 | 9.9 | 455 | 2 | US-09-333-966-5      | Sequence 5, Appli | 1403 | 58.5 | 9.9 | 2254 | 2 | US-09-949-016-9270   | Sequence 2, Appli |
| 1331 | 58.5 | 9.9 | 455 | 2 | US-09-333-966-5      | Sequence 5, Appli | 1404 | 58.5 | 9.9 | 4391 | 2 | US-10-006-011A-2     | Sequence 4, Appli |
| 1332 | 58.5 | 9.9 | 455 | 2 | US-10-175-902-4      | Sequence 4, Appli | 1405 | 58.5 | 9.9 | 4391 | 3 | US-10-420-270-4      | Sequence 272, App |
| 1333 | 58.5 | 9.9 | 455 | 2 | US-09-565-009B-3     | Sequence 3, Appli | 1406 | 58.5 | 9.9 | 4391 | 2 | US-09-894-882-272    | Sequence 344, App |
| 1334 | 58.5 | 9.9 | 455 | 2 | US-09-314-889-5      | Sequence 5, Appli | 1407 | 58   | 9.8 | 43   | 2 | US-09-894-882-272    | Sequence 13, Appl |
| 1335 | 58.5 | 9.9 | 455 | 2 | US-09-314-889-5      | Sequence 5, Appli | 1408 | 58   | 9.8 | 73   | 2 | US-08-464-339A-13    | Sequence 165719,  |
| 1336 | 58.5 | 9.9 | 455 | 2 | US-09-826-212A-3     | Sequence 3, Appli | 1409 | 58   | 9.8 | 93   | 1 | US-10-703-032-165719 | Sequence 189576,  |
| 1337 | 58.5 | 9.9 | 455 | 3 | US-10-120-397-2      | Sequence 2, Appli | 1410 | 58   | 9.8 | 137  | 3 | US-10-703-032-189576 | Sequence 31920, A |
| 1338 | 58.5 | 9.9 | 455 | 3 | US-09-518-931-5      | Sequence 5, Appli | 1411 | 58   | 9.8 | 168  | 3 | US-09-252-991A-31920 | Sequence 3943, Ap |
| 1339 | 58.5 | 9.9 | 455 | 3 | US-09-899-422A-2     | Sequence 2, Appli | 1412 | 58   | 9.8 | 196  | 2 | US-10-108-260A-3943  |                   |
| 1340 | 58.5 | 9.9 | 455 | 3 |                      |                   | 1413 | 58   | 9.8 | 197  | 3 |                      |                   |

```
1414 58 9.8 226 3 US-10-703-032-210739 Sequence 210739, A Sequence 315, App
1415 58 9.8 234 2 US-09-902-540-15175 Sequence 15175, A Sequence 315, App
1416 58 9.8 525 2 US-08-688-988-10 Sequence 10, Appl Sequence 315, App
1417 58 9.8 540 2 US-09-786-256C-1 Sequence 1, Appli Sequence 315, App
1418 58 9.8 540 2 US-09-786-256C-30 Sequence 30, Appl Sequence 315, App
1419 58 9.8 540 3 US-10-726-148A-1 Sequence 1, Appli Sequence 315, App
1420 58 9.8 540 3 US-10-726-148A-30 Sequence 30, Appl Sequence 315, App
1421 58 9.8 540 3 US-11-088-999-1 Sequence 1, Appli Sequence 315, App
1422 58 9.8 540 3 US-11-088-999-30 Sequence 30, Appl Sequence 315, App
1423 58 9.8 673 2 US-10-104-047-2774 Sequence 2774, Ap Sequence 315, App
1424 58 9.8 1149 2 US-09-252-991A-25557 Sequence 25557, A Sequence 315, App
1425 58 9.8 1194 2 US-09-092-508-2 Sequence 2, Appli Sequence 315, App
1426 58 9.8 1194 2 US-09-435-115-2 Sequence 2, Appli Sequence 315, App
1427 58 9.8 1194 2 US-09-069-023-26 Sequence 26, Appli Sequence 315, App
1428 58 9.8 1194 2 US-09-098-310-2 Sequence 2, Appli Sequence 315, App
1429 58 9.8 1194 2 US-09-538-092-825 Sequence 825, Ap Sequence 315, App
1430 58 9.8 1194 2 US-09-949-016-6030 Sequence 6030, Ap Sequence 315, App
1431 58 9.8 1194 3 US-10-141-618-10 Sequence 10, Appl Sequence 315, App
1432 58 9.8 1196 2 US-09-949-016-10065 Sequence 10065, A Sequence 315, App
1433 58 9.8 1196 2 US-09-949-016-10066 Sequence 10066, A Sequence 315, App
1434 58 9.8 1205 2 US-09-092-508-16 Sequence 16, Appl Sequence 315, App
1435 58 9.8 1205 2 US-09-435-115-16 Sequence 16, Appl Sequence 315, App
1436 58 9.8 1237 2 US-09-949-016-6842 Sequence 6842, Ap Sequence 315, App
1437 58 9.8 1239 2 US-09-949-016-10063 Sequence 10063, A Sequence 315, App
1438 58 9.8 1239 2 US-09-949-016-10064 Sequence 10064, A Sequence 315, App
1439 58 9.8 1248 3 US-10-646-396-2 Sequence 2, Appli Sequence 315, App
1440 58 9.8 1277 2 US-08-937-236-6 Sequence 6, Appli Sequence 315, App
1441 58 9.8 1292 2 US-08-569-214-5 Sequence 5, Appli Sequence 315, App
1442 58 9.8 1292 2 US-08-569-214-6 Sequence 6, Appli Sequence 315, App
1443 58 9.8 1292 2 US-08-937-236-5 Sequence 5, Appli Sequence 315, App
1444 58 9.8 1345 1 US-08-977-767-3 Sequence 3, Appli Sequence 315, App
1445 58 9.8 1686 3 US-10-386-414A-2 Sequence 2, Appli Sequence 315, App
1446 57.5 9.8 63 2 US-10-950-933A-75 Sequence 75, Appl Sequence 315, App
1447 57.5 9.8 63 2 US-10-976-102-75 Sequence 75, Appl Sequence 315, App
1448 57.5 9.8 71 3 US-10-703-032-165833 Sequence 165833, Sequence 315, App
1449 57.5 9.8 97 2 US-10-105-901A-50 Sequence 50, Appl Sequence 315, App
1450 57.5 9.8 114 2 US-09-087-031E-12 Sequence 12, Appl Sequence 315, App
1451 57.5 9.8 123 3 US-10-703-032-135475 Sequence 135475, Sequence 315, App
1452 57.5 9.8 132 2 US-09-523-323-55 Sequence 55, Appl Sequence 315, App
1453 57.5 9.8 146 3 US-10-703-032-188975 Sequence 188975, Sequence 315, App
1454 57.5 9.8 187 2 US-09-248-796A-16235 Sequence 16235, A Sequence 315, App
1455 57.5 9.8 207 2 US-10-094-749-2017 Sequence 2017, Ap Sequence 315, App
1456 57.5 9.8 259 3 US-09-940-235-4 Sequence 4, Appli Sequence 315, App
1457 57.5 9.8 259 3 US-10-631-558-4 Sequence 4, Appli Sequence 315, App
1458 57.5 9.8 264 2 US-09-973-278-151 Sequence 151, App Sequence 315, App
1459 57.5 9.8 265 2 US-09-227-357-153 Sequence 153, App Sequence 315, App
1460 57.5 9.8 265 3 US-09-983-802-153 Sequence 153, App Sequence 315, App
1461 57.5 9.8 280 3 US-09-450-969-5395 Sequence 5395, Ap Sequence 315, App
1462 57.5 9.8 280 3 US-10-724-972B-5395 Sequence 5395, Ap Sequence 315, App
1463 57.5 9.8 289 2 US-09-902-540-12179 Sequence 12179, A Sequence 315, App
1464 57.5 9.8 293 2 US-09-134-001C-5374 Sequence 5374, Ap Sequence 315, App
1465 57.5 9.8 320 2 US-09-183-861-22 Sequence 22, Appl Sequence 315, App
1466 57.5 9.8 320 2 US-09-183-861-55 Sequence 55, Appl Sequence 315, App
1467 57.5 9.8 320 2 US-09-022-765-22 Sequence 22, Appl Sequence 315, App
1468 57.5 9.8 320 2 US-09-022-765-55 Sequence 55, Appl Sequence 315, App
1469 57.5 9.8 320 2 US-09-551-974A-22 Sequence 22, Appl Sequence 315, App
1470 57.5 9.8 320 2 US-09-551-974A-55 Sequence 55, Appl Sequence 315, App
1471 57.5 9.8 320 2 US-09-565-501A-22 Sequence 22, Appl Sequence 315, App
1472 57.5 9.8 320 2 US-09-565-501A-55 Sequence 55, Appl Sequence 315, App
1473 57.5 9.8 320 2 US-09-639-206A-22 Sequence 22, Appl Sequence 315, App
1474 57.5 9.8 320 2 US-09-639-206A-55 Sequence 55, Appl Sequence 315, App
1475 57.5 9.8 320 2 US-09-874-923-22 Sequence 22, Appl Sequence 315, App
1476 57.5 9.8 320 2 US-09-874-923-55 Sequence 55, Appl Sequence 315, App
1477 57.5 9.8 320 2 US-08-798-841-22 Sequence 22, Appl Sequence 315, App
1478 57.5 9.8 359 2 US-09-699-266A-11 Sequence 11, Appl Sequence 315, App
1479 57.5 9.8 428 2 US-09-252-991A-23863 Sequence 23863, A Sequence 315, App
1480 57.5 9.8 443 2 US-09-461-325-147 Sequence 147, App Sequence 315, App
1481 57.5 9.8 443 2 US-10-012-542-147 Sequence 147, App Sequence 315, App
1482 57.5 9.8 443 2 US-10-115-123-147 Sequence 147, App Sequence 315, App
1483 57.5 9.8 503 5 PCT-US94-11328A-4 Sequence 4, Appli Sequence 315, App
1484 57.5 9.8 509 2 US-09-907-794A-315 Sequence 315, App Sequence 315, App
1485 57.5 9.8 509 2 US-09-905-125A-315 Sequence 315, App Sequence 315, App
1486 57.5 9.8 509 2 US-09-902-775A-315 Sequence 315, App Sequence 315, App
```

## ALIGNMENTS

## RESULT 1

```
US-09-712-529-5
; Sequence 5, Application US/09712529
; Patent No. 6485938
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Bishop, Paul D.
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Thompson, Penny P.
; TITLE OF INVENTION: Human Zven Proteins
; FILE REFERENCE: 99-81
; CURRENT APPLICATION NUMBER: US/09/712,529
; CURRENT FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-712-529-5
```

```
Query Match 100.0%; Score 589; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.1e-58;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLGRLMCTPLRGEGRC 60
Db 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLGRLMCTPLRGEGRC 60
```

```
Qy 61 HPGSHKVPFFRRKKHHTCPCLPNLLCSRFPPDGRYRCMDLKNINF 105
```

```
Db 61 HPGSHKVPFFRRKKHHTCPCLPNLLCSRFPPDGRYRCMDLKNINF 105
```

## RESULT 2

```
US-10-212-201A-5
; Sequence 5, Application US/10212201A
; Patent No. 6756479
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Bishop, Paul D.
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Thompson, Penny P.
; TITLE OF INVENTION: Human Zven Proteins
; FILE REFERENCE: 99-81
; CURRENT APPLICATION NUMBER: US/10/212,201A
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: US/09/712,529
; PRIOR FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
```

```

; ORGANISM: Homo sapiens
US-10-212-201A-5

Query Match 100.0%; Score 589; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.le-58;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTSDCAVITGACERDVCGAGTCCALSLWLRGLRMCTPLRGEGEC 60
DB 1 MRGATRVSMILLVTSDCAVITGACERDVCGAGTCCALSLWLRGLRMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105

RESULT 3
US-10-212-355-5
; Sequence 5, Application US/10212355
; Patent No. 6828425
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Bishop, Paul D.
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Thompson, Penny P.
; TITLE OF INVENTION: Human Zven Proteins
; FILE REFERENCE: 99-81
; CURRENT APPLICATION NUMBER: US/10/212,355
; CURRENT FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-212-355-5

Query Match 100.0%; Score 589; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.le-58;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTSDCAVITGACERDVCGAGTCCALSLWLRGLRMCTPLRGEGEC 60
DB 1 MRGATRVSMILLVTSDCAVITGACERDVCGAGTCCALSLWLRGLRMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105

RESULT 4
US-09-991-181-371
; Sequence 371, Application US/09991181
; Patent No. 6913319
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Faoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann

```

```

; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zenin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C53
; CURRENT APPLICATION NUMBER: US/09/991,181
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10

```

; PRIOR APPLICATION NUMBER: 60/088824  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088826  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088858  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/088861  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/088876  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/089105  
; PRIOR FILING DATE: 1998-06-12  
; PRIOR APPLICATION NUMBER: 60/089440  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089512  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089514  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089538  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089598  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089599  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089600  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089653  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089801  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089907  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089908  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089947  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089948  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089952  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/090246  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090252  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090254  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090349  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090355  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090429  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090431  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090435  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090444  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090445  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090535  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090540  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090542  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090676

; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090678  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090690  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090694  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090696  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090862  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/090863  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/091360  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091478  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091544  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091626  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 2; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.1e-58;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSTMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
1 MRGATRVSTMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60

Qy 61 HPGSHKVPFFRRKXKHTCTCLFNLLCSRPDGRYRCSMDLKNINF 105  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
61 HPGSHKVPFFRRKXKHTCTCLFNLLCSRPDGRYRCSMDLKNINF 105

RESULT 5  
US-09-990-444-371  
; Sequence 371, Application US/09990444  
; Patent No. 6930170  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.

us-10-692-299-2.spdi.ra1

Fri Nov 30 07:56:32 2007

```

; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C19
; CURRENT APPLICATION NUMBER: US/09/990,444
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25

```



;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 2; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.1e-58;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGSEC 60  
Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGSEC 60  
Qy 61 HPGSHKVPFFKRKRHHKTCPLNLLCSRFPPGRVRCSDMLKNINF 105  
Db 61 HPGSHKVPFFKRKRHHKTCPLNLLCSRFPPGRVRCSDMLKNINF 105

RESULT 6  
US-09-997-333-371  
; Sequence 371, Application US/09997333  
; Patent No. 6953836  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; TITLE OF INVENTION: Acids Encoding the Same  
;; FILE REFERENCE: P2730FIC27  
;; CURRENT APPLICATION NUMBER: US/09/997,333  
;; CURRENT FILING DATE: 2001-11-15  
;; PRIOR APPLICATION NUMBER: 60/049787  
;; PRIOR FILING DATE: 1997-06-16  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/065186  
;; PRIOR FILING DATE: 1997-11-12  
;; PRIOR APPLICATION NUMBER: 60/065311  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066770  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087607  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088021  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088026  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088030  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088734  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088742  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088810  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11

;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089600  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089801  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089908  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089947  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089948  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089952  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/090246  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090252  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090254  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090355  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090429  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090431  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090435  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090444  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090445  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090472  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090535  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090678  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694

;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09  
  
Query Match 100.0%; Score 589; DB 2; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.le-58;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWRLGRLMCTPLGREGEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWRLGRLMCTPLGREGEC 60  
  
Qy 61 HPGSHKVPFFFRKXKHTCPCLPNLLCSRFDPDGRYRCSMDLNINF 105  
Db 61 HPGSHKVPFFFRKXKHTCPCLPNLLCSRFDPDGRYRCSMDLNINF 105  
  
RESULT 7  
US-09-992-598-371  
; Sequence 371, Application US/09992598  
; Patent No. 6956108  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tuman, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC20

pb to RD 1186

|    |                                     |
|----|-------------------------------------|
| 1  | PRIOR FILING DATE: 1998-06-11       |
| 2  | PRIOR APPLICATION NUMBER: 60/089105 |
| 3  | PRIOR FILING DATE: 1998-06-12       |
| 4  | PRIOR APPLICATION NUMBER: 60/089440 |
| 5  | PRIOR FILING DATE: 1998-06-16       |
| 6  | PRIOR APPLICATION NUMBER: 60/089512 |
| 7  | PRIOR FILING DATE: 1998-06-16       |
| 8  | PRIOR APPLICATION NUMBER: 60/089514 |
| 9  | PRIOR FILING DATE: 1998-06-16       |
| 10 | PRIOR APPLICATION NUMBER: 60/089532 |
| 11 | PRIOR FILING DATE: 1998-06-17       |
| 12 | PRIOR APPLICATION NUMBER: 60/089538 |
| 13 | PRIOR FILING DATE: 1998-06-17       |
| 14 | PRIOR APPLICATION NUMBER: 60/089598 |
| 15 | PRIOR FILING DATE: 1998-06-17       |
| 16 | PRIOR APPLICATION NUMBER: 60/089599 |
| 17 | PRIOR FILING DATE: 1998-06-17       |
| 18 | PRIOR APPLICATION NUMBER: 60/089600 |
| 19 | PRIOR FILING DATE: 1998-06-17       |
| 20 | PRIOR APPLICATION NUMBER: 60/089653 |
| 21 | PRIOR FILING DATE: 1998-06-17       |
| 22 | PRIOR APPLICATION NUMBER: 60/089801 |
| 23 | PRIOR FILING DATE: 1998-06-18       |
| 24 | PRIOR APPLICATION NUMBER: 60/089907 |
| 25 | PRIOR FILING DATE: 1998-06-18       |
| 26 | PRIOR APPLICATION NUMBER: 60/089908 |
| 27 | PRIOR FILING DATE: 1998-06-18       |
| 28 | PRIOR APPLICATION NUMBER: 60/089947 |
| 29 | PRIOR FILING DATE: 1998-06-19       |
| 30 | PRIOR APPLICATION NUMBER: 60/089948 |
| 31 | PRIOR FILING DATE: 1998-06-19       |
| 32 | PRIOR APPLICATION NUMBER: 60/089952 |
| 33 | PRIOR FILING DATE: 1998-06-19       |
| 34 | PRIOR APPLICATION NUMBER: 60/090246 |
| 35 | PRIOR FILING DATE: 1998-06-22       |
| 36 | PRIOR APPLICATION NUMBER: 60/090252 |
| 37 | PRIOR FILING DATE: 1998-06-22       |
| 38 | PRIOR APPLICATION NUMBER: 60/090254 |
| 39 | PRIOR FILING DATE: 1998-06-22       |
| 40 | PRIOR APPLICATION NUMBER: 60/090349 |
| 41 | PRIOR FILING DATE: 1998-06-23       |
| 42 | PRIOR APPLICATION NUMBER: 60/090355 |
| 43 | PRIOR FILING DATE: 1998-06-23       |
| 44 | PRIOR APPLICATION NUMBER: 60/090429 |
| 45 | PRIOR FILING DATE: 1998-06-24       |
| 46 | PRIOR APPLICATION NUMBER: 60/090431 |
| 47 | PRIOR FILING DATE: 1998-06-24       |
| 48 | PRIOR APPLICATION NUMBER: 60/090435 |
| 49 | PRIOR FILING DATE: 1998-06-24       |
| 50 | PRIOR APPLICATION NUMBER: 60/090444 |
| 51 | PRIOR FILING DATE: 1998-06-24       |
| 52 | PRIOR APPLICATION NUMBER: 60/090445 |
| 53 | PRIOR FILING DATE: 1998-06-24       |
| 54 | PRIOR APPLICATION NUMBER: 60/090472 |
| 55 | PRIOR FILING DATE: 1998-06-25       |
| 56 | PRIOR APPLICATION NUMBER: 60/090542 |
| 57 | PRIOR FILING DATE: 1998-06-24       |
| 58 | PRIOR APPLICATION NUMBER: 60/090557 |
| 59 | PRIOR FILING DATE: 1998-06-24       |
| 60 | PRIOR APPLICATION NUMBER: 60/090540 |
| 61 | PRIOR FILING DATE: 1998-06-24       |
| 62 | PRIOR APPLICATION NUMBER: 60/090542 |
| 63 | PRIOR FILING DATE: 1998-06-24       |
| 64 | PRIOR APPLICATION NUMBER: 60/090535 |
| 65 | PRIOR FILING DATE: 1998-06-24       |
| 66 | PRIOR APPLICATION NUMBER: 60/090540 |
| 67 | PRIOR FILING DATE: 1998-06-25       |
| 68 | PRIOR APPLICATION NUMBER: 60/090678 |
| 69 | PRIOR FILING DATE: 1998-06-25       |
| 70 | PRIOR APPLICATION NUMBER: 60/090690 |
| 71 | PRIOR FILING DATE: 1998-06-25       |
| 72 | PRIOR APPLICATION NUMBER: 60/090694 |
| 73 | PRIOR FILING DATE: 1998-06-25       |
| 74 | PRIOR APPLICATION NUMBER: 60/090695 |
| 75 | PRIOR FILING DATE: 1998-06-25       |

```

; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.le-58;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVISIMLLVTVSDCAVITGACERDVCGAGTCCATSLWLRGLRMCTPLGREGGEC 60
Db 1 MRGATRVISIMLLVTVSDCAVITGACERDVCGAGTCCATSLWLRGLRMCTPLGREGGEC 60

Qy 61 HPGSHKVPFFRRKRHHKTCPLNLLCSRFPPDGRYRCSDMLXNINF 105
Db 61 HPGSHKVPFFRRKRHHKTCPLNLLCSRFPPDGRYRCSDMLXNINF 105

RESULT 8
US-09-989-735-371
; Sequence 371, Application US/09989735
; Patent No. 6972185
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P27301C61
; CURRENT APPLICATION NUMBER: US/09/989,735
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/082250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12

```

|   |                           |            |
|---|---------------------------|------------|
| / | PRIOR FILING DATE:        | 1998-06-26 |
| / | PRIOR APPLICATION NUMBER: | 60/090863  |
| / | PRIOR FILING DATE:        | 1998-06-26 |
| / | PRIOR APPLICATION NUMBER: | 60/091360  |
| / | PRIOR FILING DATE:        | 1998-07-01 |
| / | PRIOR APPLICATION NUMBER: | 60/091478  |
| / | PRIOR FILING DATE:        | 1998-07-02 |
| / | PRIOR APPLICATION NUMBER: | 60/091544  |
| / | PRIOR FILING DATE:        | 1998-07-01 |
| / | PRIOR APPLICATION NUMBER: | 60/091519  |
| / | PRIOR FILING DATE:        | 1998-07-02 |
| / | PRIOR APPLICATION NUMBER: | 60/091626  |
| / | PRIOR FILING DATE:        | 1998-07-02 |
| / | PRIOR APPLICATION NUMBER: | 60/091633  |
| / | PRIOR FILING DATE:        | 1998-07-02 |
| / | PRIOR APPLICATION NUMBER: | 60/091978  |
| / | PRIOR FILING DATE:        | 1998-07-07 |
| / | PRIOR APPLICATION NUMBER: | 60/091982  |
| / | PRIOR FILING DATE:        | 1998-07-07 |
| / | PRIOR APPLICATION NUMBER: | 60/092182  |
| / | PRIOR FILING DATE:        | 1998-07-09 |

  

|                       |         |              |
|-----------------------|---------|--------------|
| Query Match           | 100.0%; | Score        |
| Best Local Similarity | 100.0%; | Pre-Matches  |
| Matches               | 105;    | Conservative |

  

|    |    |                           |
|----|----|---------------------------|
| Qy | 1  | MRGATRVSTMLLLVTVSDCAVITG  |
| Dd | 1  | MRGATRVSTMLLLVTVSDCAVITG  |
|    |    |                           |
| Qy | 61 | HPGSHKVPFFRKRKHHTCTCLPMLN |
| Dd | 61 | HPGSHKVPFFRKRKHHTCTCLPMLN |
|    |    |                           |

  

RESULT 9

US-09-989-726-371

- ; Sequence 371, Application US/0998972
- ; Patent No. 7018811
- ; GENERAL INFORMATION:
- ; APPLICANT: Ashkenazi, Avi J.
- ; APPLICANT: Baker, Kevin P.
- ; APPLICANT: Bostein, David
- ; APPLICANT: Desnoyers, Luc
- ; APPLICANT: Eaton, Dan L.
- ; APPLICANT: Ferrara, Napoleone
- ; APPLICANT: Fong, Sherman
- ; APPLICANT: Gerber, Hanspeter
- ; APPLICANT: Gerritsen, Mary E.
- ; APPLICANT: Goddard, Audrey
- ; APPLICANT: Godowski, Paul J.
- ; APPLICANT: Grimaldi, J.-Christophe
- ; APPLICANT: Gurney, Austin L.
- ; APPLICANT: Kljavin, Ivar J.
- ; APPLICANT: Napier, Mary A.
- ; APPLICANT: Pan, James
- ; APPLICANT: Paoni, Nicholas F.
- ; APPLICANT: Roy, Margaret Ann
- ; APPLICANT: Stewart, Timothy A.
- ; APPLICANT: Tumas, Daniel
- ; APPLICANT: Watanabe, Colin K.
- ; APPLICANT: Williams, P. Mickey
- ; APPLICANT: Wood, William I.
- ; APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Tr

FILE REFERENCE: P2730PIC60

CURRENT APPLICATION NUMBER: US/09/9

CURRENT FILING DATE: 2003-11-19

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

```

RESULT 9
US-09-989-726-371
; Sequence 371, Application US/09989726
; Patent No. 7018811
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Acids and Tra
; TITLE OF INVENTION: Acids Encoding
; FILE REFERENCE: P2730P1C60
; CURRENT APPLICATION NUMBER: US/09/98
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17

```

us-10-692-299-2.spdi.raii

[illegible]





;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089600  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089801  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089908  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089947  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089948  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089952  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/090246  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090252  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090254  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090355  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090429  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090431  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090435  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090444  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090445  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090472  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090535  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090678  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478

;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.1e-58;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTLGRGEGEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTLGRGEGEC 60

Qy 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105

RESULT 11  
US-09-989-728-371  
; Sequence 371, Application US/09989728  
; Patent No. 7029873  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Deanovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC72  
; CURRENT APPLICATION NUMBER: US/09/989,728  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24

*Handwritten:* Nucleic acid

|   |                                     |
|---|-------------------------------------|
| ✓ | PRIOR FILING DATE: 1998-06-17       |
| ✓ | PRIOR APPLICATION NUMBER: 60/089598 |
| ✓ | PRIOR FILING DATE: 1998-06-17       |
| ✓ | PRIOR APPLICATION NUMBER: 60/089599 |
| ✓ | PRIOR FILING DATE: 1998-06-17       |
| ✓ | PRIOR APPLICATION NUMBER: 60/089600 |
| ✓ | PRIOR FILING DATE: 1998-06-17       |
| ✓ | PRIOR APPLICATION NUMBER: 60/089653 |
| ✓ | PRIOR FILING DATE: 1998-06-17       |
| ✓ | PRIOR APPLICATION NUMBER: 60/089801 |
| ✓ | PRIOR FILING DATE: 1998-06-18       |
| ✓ | PRIOR APPLICATION NUMBER: 60/089907 |
| ✓ | PRIOR FILING DATE: 1998-06-18       |
| ✓ | PRIOR APPLICATION NUMBER: 60/089908 |
| ✓ | PRIOR FILING DATE: 1998-06-18       |
| ✓ | PRIOR APPLICATION NUMBER: 60/089947 |
| ✓ | PRIOR FILING DATE: 1998-06-19       |
| ✓ | PRIOR APPLICATION NUMBER: 60/089948 |
| ✓ | PRIOR FILING DATE: 1998-06-19       |
| ✓ | PRIOR APPLICATION NUMBER: 60/089952 |
| ✓ | PRIOR FILING DATE: 1998-06-19       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090246 |
| ✓ | PRIOR FILING DATE: 1998-06-22       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090252 |
| ✓ | PRIOR FILING DATE: 1998-06-22       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090254 |
| ✓ | PRIOR FILING DATE: 1998-06-22       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090349 |
| ✓ | PRIOR FILING DATE: 1998-06-23       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090355 |
| ✓ | PRIOR FILING DATE: 1998-06-23       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090429 |
| ✓ | PRIOR FILING DATE: 1998-06-24       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090431 |
| ✓ | PRIOR FILING DATE: 1998-06-24       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090435 |
| ✓ | PRIOR FILING DATE: 1998-06-24       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090444 |
| ✓ | PRIOR FILING DATE: 1998-06-24       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090445 |
| ✓ | PRIOR FILING DATE: 1998-06-24       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090472 |
| ✓ | PRIOR FILING DATE: 1998-06-24       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090535 |
| ✓ | PRIOR FILING DATE: 1998-06-24       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090540 |
| ✓ | PRIOR FILING DATE: 1998-06-24       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090676 |
| ✓ | PRIOR FILING DATE: 1998-06-25       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090678 |
| ✓ | PRIOR FILING DATE: 1998-06-25       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090690 |
| ✓ | PRIOR FILING DATE: 1998-06-25       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090694 |
| ✓ | PRIOR FILING DATE: 1998-06-25       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090695 |
| ✓ | PRIOR FILING DATE: 1998-06-25       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090696 |
| ✓ | PRIOR FILING DATE: 1998-06-25       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090862 |
| ✓ | PRIOR FILING DATE: 1998-06-26       |
| ✓ | PRIOR APPLICATION NUMBER: 60/090863 |
| ✓ | PRIOR FILING DATE: 1998-06-26       |
| ✓ | PRIOR APPLICATION NUMBER: 60/091360 |
| ✓ | PRIOR FILING DATE: 1998-07-01       |
| ✓ | PRIOR APPLICATION NUMBER: 60/091478 |
| ✓ | PRIOR FILING DATE: 1998-07-02       |
| ✓ | PRIOR APPLICATION NUMBER: 60/091544 |
| ✓ | PRIOR FILING DATE: 1998-07-01       |

; PRIOR APPLICATION NUMBER: 60/091519  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091626  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091633  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091978  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/091982  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.1e-58;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 MRGATRVISIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEEC 60  
 |||||  
 DB 1 MRGATRVISIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEEC 60  
 |||||  
 QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRVRCMSMDLKNINF 105  
 |||||  
 DB 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRVRCMSMDLKNINF 105  
 |||||

RESULT 12  
 US-09-997-349-371  
 ; Sequence 371, Application US/09997349  
 ; Patent No. 7034106  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnovers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Geritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730PIC37  
 ; CURRENT APPLICATION NUMBER: US/09/997,349  
 ; PRIOR FILING DATE: 2001-11-15  
 ; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/065186  
 ; PRIOR FILING DATE: 1997-11-12  
 ; PRIOR APPLICATION NUMBER: 60/065311  
 ; PRIOR FILING DATE: 1997-11-13  
 ; PRIOR APPLICATION NUMBER: 60/066770  
 ; PRIOR FILING DATE: 1997-11-24  
 ; PRIOR APPLICATION NUMBER: 60/075945  
 ; PRIOR FILING DATE: 1998-02-25  
 ; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/083322  
 ; PRIOR FILING DATE: 1998-04-28  
 ; PRIOR APPLICATION NUMBER: 60/084600  
 ; PRIOR FILING DATE: 1998-05-07  
 ; PRIOR APPLICATION NUMBER: 60/087106  
 ; PRIOR FILING DATE: 1998-05-28  
 ; PRIOR APPLICATION NUMBER: 60/087607  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087609  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087759  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087827  
 ; PRIOR FILING DATE: 1998-06-03  
 ; PRIOR APPLICATION NUMBER: 60/088021  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088025  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088026  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088028  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088029  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088030  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088033  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088326  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088167  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088202  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088212  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088217  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088655  
 ; PRIOR FILING DATE: 1998-06-09  
 ; PRIOR APPLICATION NUMBER: 60/088734  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088738  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088742  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088810  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088824  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088826  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088858  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088861  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088876  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/089105  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089440  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089512  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089514  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089532  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089538  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089598  
 ; PRIOR FILING DATE: 1998-06-17

Q2011159



|                                     |
|-------------------------------------|
| PRIOR FILING DATE: 1998-06-17       |
| PRIOR APPLICATION NUMBER: 60/089653 |
| PRIOR FILING DATE: 1998-06-17       |
| PRIOR APPLICATION NUMBER: 60/089801 |
| PRIOR FILING DATE: 1998-06-18       |
| PRIOR APPLICATION NUMBER: 60/089907 |
| PRIOR FILING DATE: 1998-06-18       |
| PRIOR APPLICATION NUMBER: 60/089908 |
| PRIOR FILING DATE: 1998-06-18       |
| PRIOR APPLICATION NUMBER: 60/089947 |
| PRIOR FILING DATE: 1998-06-19       |
| PRIOR APPLICATION NUMBER: 60/089948 |
| PRIOR FILING DATE: 1998-06-19       |
| PRIOR APPLICATION NUMBER: 60/089952 |
| PRIOR FILING DATE: 1998-06-19       |
| PRIOR APPLICATION NUMBER: 60/090246 |
| PRIOR FILING DATE: 1998-06-22       |
| PRIOR APPLICATION NUMBER: 60/090252 |
| PRIOR FILING DATE: 1998-06-22       |
| PRIOR APPLICATION NUMBER: 60/090254 |
| PRIOR FILING DATE: 1998-06-22       |
| PRIOR APPLICATION NUMBER: 60/090349 |
| PRIOR FILING DATE: 1998-06-23       |
| PRIOR APPLICATION NUMBER: 60/090355 |
| PRIOR FILING DATE: 1998-06-23       |
| PRIOR APPLICATION NUMBER: 60/090429 |
| PRIOR FILING DATE: 1998-06-24       |
| PRIOR APPLICATION NUMBER: 60/090431 |
| PRIOR FILING DATE: 1998-06-24       |
| PRIOR APPLICATION NUMBER: 60/090435 |
| PRIOR FILING DATE: 1998-06-24       |
| PRIOR APPLICATION NUMBER: 60/090444 |
| PRIOR FILING DATE: 1998-06-24       |
| PRIOR APPLICATION NUMBER: 60/090445 |
| PRIOR FILING DATE: 1998-06-24       |
| PRIOR APPLICATION NUMBER: 60/090472 |
| PRIOR FILING DATE: 1998-06-24       |
| PRIOR APPLICATION NUMBER: 60/090535 |
| PRIOR FILING DATE: 1998-06-24       |
| PRIOR APPLICATION NUMBER: 60/090540 |
| PRIOR FILING DATE: 1998-06-24       |
| PRIOR APPLICATION NUMBER: 60/090542 |
| PRIOR FILING DATE: 1998-06-24       |
| PRIOR APPLICATION NUMBER: 60/090557 |
| PRIOR FILING DATE: 1998-06-24       |
| PRIOR APPLICATION NUMBER: 60/090676 |
| PRIOR FILING DATE: 1998-06-25       |
| PRIOR APPLICATION NUMBER: 60/090678 |
| PRIOR FILING DATE: 1998-06-25       |
| PRIOR APPLICATION NUMBER: 60/090690 |
| PRIOR FILING DATE: 1998-06-25       |
| PRIOR APPLICATION NUMBER: 60/090696 |
| PRIOR FILING DATE: 1998-06-25       |
| PRIOR APPLICATION NUMBER: 60/090694 |
| PRIOR FILING DATE: 1998-06-25       |
| PRIOR APPLICATION NUMBER: 60/090862 |
| PRIOR FILING DATE: 1998-06-26       |
| PRIOR APPLICATION NUMBER: 60/090863 |
| PRIOR FILING DATE: 1998-06-26       |
| PRIOR APPLICATION NUMBER: 60/091360 |
| PRIOR FILING DATE: 1998-07-01       |
| PRIOR APPLICATION NUMBER: 60/091478 |
| PRIOR FILING DATE: 1998-07-02       |
| PRIOR APPLICATION NUMBER: 60/091544 |
| PRIOR FILING DATE: 1998-07-01       |
| PRIOR APPLICATION NUMBER: 60/091519 |
| PRIOR FILING DATE: 1998-07-02       |
| PRIOR APPLICATION NUMBER: 60/091626 |
| PRIOR FILING DATE: 1998-07-02       |
| PRIOR APPLICATION NUMBER: 60/091633 |
| PRIOR FILING DATE: 1998-07-02       |



;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.1e-58;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLLVTSVCVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGREC 60  
Db 1 MRGATRVSIMLLLVTSVCVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGREC 60

Qy 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPDGRVRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPDGRVRCSDMLKNINF 105

RESULT 14  
US-09-989-293A-371  
; Sequence 371, Application US/09989293A  
; Patent No. 7034136  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C66  
; CURRENT APPLICATION NUMBER: US/09/989,293A  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/087106  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087607  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087827  
; PRIOR FILING DATE: 1998-06-03  
; PRIOR APPLICATION NUMBER: 60/088021  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088025  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088026  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088028  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088029  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088030  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088033  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088326  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088167  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 60/088202  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 60/088212  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 60/088217  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 60/088655  
; PRIOR FILING DATE: 1998-06-09  
; PRIOR APPLICATION NUMBER: 60/088734  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088738  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088742  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088810  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088824  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088826  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088858  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/088861  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/088876  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/089105  
; PRIOR FILING DATE: 1998-06-12  
; PRIOR APPLICATION NUMBER: 60/089440  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089512  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089514  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089538  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089598  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089599  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089600  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089653  
; PRIOR FILING DATE: 1998-06-17

|    |                                     |
|----|-------------------------------------|
| 1  | PRIOR APPLICATION NUMBER: 60/089801 |
| 2  | PRIOR FILING DATE: 1998-06-18       |
| 3  | PRIOR APPLICATION NUMBER: 60/089907 |
| 4  | PRIOR FILING DATE: 1998-06-18       |
| 5  | PRIOR APPLICATION NUMBER: 60/089908 |
| 6  | PRIOR FILING DATE: 1998-06-18       |
| 7  | PRIOR APPLICATION NUMBER: 60/089947 |
| 8  | PRIOR FILING DATE: 1998-06-19       |
| 9  | PRIOR APPLICATION NUMBER: 60/089948 |
| 10 | PRIOR FILING DATE: 1998-06-19       |
| 11 | PRIOR APPLICATION NUMBER: 60/089952 |
| 12 | PRIOR FILING DATE: 1998-06-19       |
| 13 | PRIOR APPLICATION NUMBER: 60/090246 |
| 14 | PRIOR FILING DATE: 1998-06-22       |
| 15 | PRIOR APPLICATION NUMBER: 60/090252 |
| 16 | PRIOR FILING DATE: 1998-06-22       |
| 17 | PRIOR APPLICATION NUMBER: 60/090254 |
| 18 | PRIOR FILING DATE: 1998-06-22       |
| 19 | PRIOR APPLICATION NUMBER: 60/090349 |
| 20 | PRIOR FILING DATE: 1998-06-23       |
| 21 | PRIOR APPLICATION NUMBER: 60/090355 |
| 22 | PRIOR FILING DATE: 1998-06-23       |
| 23 | PRIOR APPLICATION NUMBER: 60/090429 |
| 24 | PRIOR FILING DATE: 1998-06-24       |
| 25 | PRIOR APPLICATION NUMBER: 60/090431 |
| 26 | PRIOR FILING DATE: 1998-06-24       |
| 27 | PRIOR APPLICATION NUMBER: 60/090435 |
| 28 | PRIOR FILING DATE: 1998-06-24       |
| 29 | PRIOR APPLICATION NUMBER: 60/090444 |
| 30 | PRIOR FILING DATE: 1998-06-24       |
| 31 | PRIOR APPLICATION NUMBER: 60/090445 |
| 32 | PRIOR FILING DATE: 1998-06-24       |
| 33 | PRIOR APPLICATION NUMBER: 60/090472 |
| 34 | PRIOR FILING DATE: 1998-06-24       |
| 35 | PRIOR APPLICATION NUMBER: 60/090535 |
| 36 | PRIOR FILING DATE: 1998-06-24       |
| 37 | PRIOR APPLICATION NUMBER: 60/090540 |
| 38 | PRIOR FILING DATE: 1998-06-24       |
| 39 | PRIOR APPLICATION NUMBER: 60/090542 |
| 40 | PRIOR FILING DATE: 1998-06-24       |
| 41 | PRIOR APPLICATION NUMBER: 60/090557 |
| 42 | PRIOR FILING DATE: 1998-06-24       |
| 43 | PRIOR APPLICATION NUMBER: 60/090676 |
| 44 | PRIOR FILING DATE: 1998-06-25       |
| 45 | PRIOR APPLICATION NUMBER: 60/090694 |
| 46 | PRIOR FILING DATE: 1998-06-25       |
| 47 | PRIOR APPLICATION NUMBER: 60/090695 |
| 48 | PRIOR FILING DATE: 1998-06-25       |
| 49 | PRIOR APPLICATION NUMBER: 60/090696 |
| 50 | PRIOR FILING DATE: 1998-06-25       |
| 51 | PRIOR APPLICATION NUMBER: 60/090862 |
| 52 | PRIOR FILING DATE: 1998-06-26       |
| 53 | PRIOR APPLICATION NUMBER: 60/090863 |
| 54 | PRIOR FILING DATE: 1998-06-26       |
| 55 | PRIOR APPLICATION NUMBER: 60/091360 |
| 56 | PRIOR FILING DATE: 1998-07-01       |
| 57 | PRIOR APPLICATION NUMBER: 60/091478 |
| 58 | PRIOR FILING DATE: 1998-07-02       |
| 59 | PRIOR APPLICATION NUMBER: 60/091544 |
| 60 | PRIOR FILING DATE: 1998-07-01       |
| 61 | PRIOR APPLICATION NUMBER: 60/091519 |
| 62 | PRIOR FILING DATE: 1998-07-02       |
| 63 | PRIOR APPLICATION NUMBER: 60/091626 |
| 64 | PRIOR FILING DATE: 1998-07-02       |
| 65 | PRIOR APPLICATION NUMBER: 60/091633 |
| 66 | PRIOR FILING DATE: 1998-07-02       |
| 67 | PRIOR APPLICATION NUMBER: 60/091978 |
| 68 | PRIOR FILING DATE: 1998-07-07       |
| 69 | PRIOR APPLICATION NUMBER: 60/091982 |
| 70 | PRIOR FILING DATE: 1998-07-07       |

```

; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score
Best Local Similarity 100.0%; Pred
Matches 105; Conservative 0; Mismatch

Qy 1 MRGATRVSIIMLLVTVSDCAVITGAA
Db 1 MRGATRVSIIMLLVTVSDCAVITGAA

Qy 61 HPGSHKVPFRKRGKHTCPCLPNLL
Db 61 HPGSHKVPFRKRGKHTCPCLPNLL

RESULT 15
US-09-989-732-371
; Sequence 371, Application US/09989732
; Patent No. 7037679
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gromski, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Tra
; TITLE OF INVENTION: Acids Encoding
; FILE REFERENCE: P2730P157
; CURRENT APPLICATION NUMBER: US/09/98
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02

```

|    |                                     |
|----|-------------------------------------|
| 1  | PRIOR FILING DATE: 1998-06-18       |
| 2  | PRIOR APPLICATION NUMBER: 60/089908 |
| 3  | PRIOR FILING DATE: 1998-06-18       |
| 4  | PRIOR APPLICATION NUMBER: 60/089947 |
| 5  | PRIOR FILING DATE: 1998-06-19       |
| 6  | PRIOR APPLICATION NUMBER: 60/089948 |
| 7  | PRIOR FILING DATE: 1998-06-19       |
| 8  | PRIOR APPLICATION NUMBER: 60/089952 |
| 9  | PRIOR FILING DATE: 1998-06-19       |
| 10 | PRIOR APPLICATION NUMBER: 60/090246 |
| 11 | PRIOR FILING DATE: 1998-06-22       |
| 12 | PRIOR APPLICATION NUMBER: 60/090252 |
| 13 | PRIOR FILING DATE: 1998-06-22       |
| 14 | PRIOR APPLICATION NUMBER: 60/090254 |
| 15 | PRIOR FILING DATE: 1998-06-22       |
| 16 | PRIOR APPLICATION NUMBER: 60/090349 |
| 17 | PRIOR FILING DATE: 1998-06-23       |
| 18 | PRIOR APPLICATION NUMBER: 60/090355 |
| 19 | PRIOR FILING DATE: 1998-06-23       |
| 20 | PRIOR APPLICATION NUMBER: 60/090429 |
| 21 | PRIOR FILING DATE: 1998-06-24       |
| 22 | PRIOR APPLICATION NUMBER: 60/090431 |
| 23 | PRIOR FILING DATE: 1998-06-24       |
| 24 | PRIOR APPLICATION NUMBER: 60/090435 |
| 25 | PRIOR FILING DATE: 1998-06-24       |
| 26 | PRIOR APPLICATION NUMBER: 60/090444 |
| 27 | PRIOR FILING DATE: 1998-06-24       |
| 28 | PRIOR APPLICATION NUMBER: 60/090445 |
| 29 | PRIOR FILING DATE: 1998-06-24       |
| 30 | PRIOR APPLICATION NUMBER: 60/090472 |
| 31 | PRIOR FILING DATE: 1998-06-24       |
| 32 | PRIOR APPLICATION NUMBER: 60/090535 |
| 33 | PRIOR FILING DATE: 1998-06-24       |
| 34 | PRIOR APPLICATION NUMBER: 60/090540 |
| 35 | PRIOR FILING DATE: 1998-06-24       |
| 36 | PRIOR APPLICATION NUMBER: 60/090676 |
| 37 | PRIOR FILING DATE: 1998-06-25       |
| 38 | PRIOR APPLICATION NUMBER: 60/090678 |
| 39 | PRIOR FILING DATE: 1998-06-25       |
| 40 | PRIOR APPLICATION NUMBER: 60/090557 |
| 41 | PRIOR FILING DATE: 1998-06-24       |
| 42 | PRIOR APPLICATION NUMBER: 60/090540 |
| 43 | PRIOR FILING DATE: 1998-06-24       |
| 44 | PRIOR APPLICATION NUMBER: 60/090542 |
| 45 | PRIOR FILING DATE: 1998-06-24       |
| 46 | PRIOR APPLICATION NUMBER: 60/090535 |
| 47 | PRIOR FILING DATE: 1998-06-24       |
| 48 | PRIOR APPLICATION NUMBER: 60/090557 |
| 49 | PRIOR FILING DATE: 1998-06-24       |
| 50 | PRIOR APPLICATION NUMBER: 60/090690 |
| 51 | PRIOR FILING DATE: 1998-06-25       |
| 52 | PRIOR APPLICATION NUMBER: 60/090694 |
| 53 | PRIOR FILING DATE: 1998-06-25       |
| 54 | PRIOR APPLICATION NUMBER: 60/090695 |
| 55 | PRIOR FILING DATE: 1998-06-25       |
| 56 | PRIOR APPLICATION NUMBER: 60/090696 |
| 57 | PRIOR FILING DATE: 1998-06-25       |
| 58 | PRIOR APPLICATION NUMBER: 60/090622 |
| 59 | PRIOR FILING DATE: 1998-06-26       |
| 60 | PRIOR APPLICATION NUMBER: 60/090863 |
| 61 | PRIOR FILING DATE: 1998-06-26       |
| 62 | PRIOR APPLICATION NUMBER: 60/091360 |
| 63 | PRIOR FILING DATE: 1998-07-01       |
| 64 | PRIOR APPLICATION NUMBER: 60/091478 |
| 65 | PRIOR FILING DATE: 1998-07-02       |
| 66 | PRIOR APPLICATION NUMBER: 60/091544 |
| 67 | PRIOR FILING DATE: 1998-07-01       |
| 68 | PRIOR APPLICATION NUMBER: 60/091519 |
| 69 | PRIOR FILING DATE: 1998-07-02       |
| 70 | PRIOR APPLICATION NUMBER: 60/091626 |
| 71 | PRIOR FILING DATE: 1998-07-02       |
| 72 | PRIOR APPLICATION NUMBER: 60/091633 |
| 73 | PRIOR FILING DATE: 1998-07-02       |
| 74 | PRIOR APPLICATION NUMBER: 60/091978 |
| 75 | PRIOR FILING DATE: 1998-07-07       |
| 76 | PRIOR APPLICATION NUMBER: 60/091982 |
| 77 | PRIOR FILING DATE: 1998-07-07       |
| 78 | PRIOR APPLICATION NUMBER: 60/092182 |
| 79 | PRIOR FILING DATE: 1998-07-09       |

Query Match . 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.1e-58;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGGEC 60  
Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGGEC 60  
Qy 61 HPGSHKVPPFFRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPPFFRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

Search completed: November 29, 2007, 17:18:38  
Job time : 46.6283 secs

GenCore version 6.2.1  
Copyright (c) 1993 - 2007 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: November 29, 2007, 17:18:54 ; Search time 200 Seconds

(without alignments)  
564.121 Million cell updates/sec

Title: US-10-692-299-2

Perfect score: 589

Sequence: 1 MRGATRVSIMLLLVTSDCA.....CSRFPDGRYRCMDLKNINF 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 3281787 seqs, 1072124677 residues

Total number of hits satisfying chosen parameters: 3281787

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database : UniProt\_8.4.\*

1: uniprot\_sprot.\*

2: uniprot\_trembl.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description  |
|------------|-------|-------------|--------|-------|--------------|
| 1          | 589   | 100.0       | 105    | 1     | PROK1_HUMAN  |
| 2          | 589   | 100.0       | 105    | 2     | Q5VMD4_HUMAN |
| 3          | 588   | 99.8        | 105    | 2     | Q8TC69_HUMAN |
| 4          | 545   | 92.5        | 105    | 1     | PROK1_RAT    |
| 5          | 432   | 73.3        | 81     | 2     | Q8K457_MOUSE |
| 6          | 417   | 70.8        | 81     | 2     | Q3ZF12_BOVIN |
| 7          | 368   | 62.5        | 104    | 2     | Q2XXR8_VARVA |
| 8          | 363   | 61.6        | 104    | 2     | Q2XXR7_VARVA |
| 9          | 321   | 54.5        | 106    | 2     | Q4RVU3_TETNG |
| 10         | 318   | 54.0        | 108    | 2     | Q863H4_BOVIN |
| 11         | 315   | 53.5        | 81     | 1     | VPRA_DENFO   |
| 12         | 303   | 51.4        | 108    | 2     | Q6ISRO_HUMAN |
| 13         | 298.5 | 50.7        | 96     | 2     | Q8JFQ0_BOMMX |
| 14         | 298   | 50.6        | 102    | 2     | Q8RI12_TETNG |
| 15         | 298   | 50.6        | 107    | 1     | PROK2_RAT    |
| 16         | 298   | 50.6        | 107    | 2     | Q50E37_9MURI |
| 17         | 298   | 50.6        | 107    | 2     | Q50E38_9MURI |
| 18         | 298   | 50.6        | 128    | 2     | Q863H5_BOVIN |
| 19         | 293.5 | 49.8        | 96     | 2     | Q5W280_BOMOR |
| 20         | 287.5 | 48.8        | 96     | 1     | BVA_BOMVA    |
| 21         | 282.5 | 48.0        | 129    | 1     | PROK2_HUMAN  |
| 22         | 282.5 | 48.0        | 129    | 2     | Q53Z79_HUMAN |
| 23         | 277.5 | 47.1        | 128    | 1     | PROK2_MOUSE  |
| 24         | 277.5 | 47.1        | 128    | 2     | Q5V8J7_RAT   |
| 25         | 277.5 | 47.1        | 128    | 2     | Q50E33_9MURI |
| 26         | 277.5 | 47.1        | 128    | 2     | Q50E34_9MURI |
| 27         | 274.5 | 46.6        | 96     | 2     | Q8JFBE_BOMMX |
| 28         | 273.5 | 46.4        | 96     | 2     | Q8JFX8_BOMMX |
| 29         | 273.5 | 46.4        | 96     | 2     | Q8JFY1_BOMMX |
| 30         | 269.5 | 45.8        | 96     | 2     | Q8JFY0_BOMMX |
| 31         | 269.5 | 45.8        | 96     | 2     | Q8JFX9_BOMMX |

|     |       |      |      |   |              |
|-----|-------|------|------|---|--------------|
| 32  | 266.5 | 45.2 | 96   | 2 | Q8JFY2_BOMMX |
| 33  | 203   | 34.5 | 82   | 2 | Q2TBS7_BOVIN |
| 34  | 200   | 34.0 | 86   | 2 | Q50E35_9MURI |
| 35  | 200   | 34.0 | 86   | 2 | Q50E36_9MURI |
| 36  | 193   | 32.8 | 39   | 2 | Q50E61_9MURI |
| 37  | 126.5 | 21.5 | 124  | 2 | Q56R10_PENMO |
| 38  | 112   | 19.0 | 96   | 2 | Q8UUX3_CHICK |
| 39  | 109   | 18.5 | 104  | 2 | Q56R11_PACLE |
| 40  | 108.5 | 18.4 | 221  | 1 | DKK4_MOUSE   |
| 41  | 107.5 | 18.3 | 224  | 1 | DKK4_HUMAN   |
| 42  | 107.5 | 18.3 | 224  | 2 | Q3KNX0_HUMAN |
| 43  | 107.5 | 18.3 | 350  | 1 | DKK3_CHICK   |
| 44  | 104   | 17.7 | 255  | 2 | Q9DDA4_XENLA |
| 45  | 102   | 17.3 | 180  | 2 | Q4RJF1_TETNG |
| 46  | 102   | 17.3 | 259  | 1 | DKK2_HUMAN   |
| 47  | 101.5 | 17.2 | 256  | 2 | Q5EHU6_GECJA |
| 48  | 101   | 17.1 | 259  | 1 | DKK2_MOUSE   |
| 49  | 101   | 17.1 | 259  | 2 | Q8BFW0_MOUSE |
| 50  | 101   | 17.1 | 272  | 1 | DKK1_MOUSE   |
| 51  | 101   | 17.1 | 272  | 2 | Q80UL5_MOUSE |
| 52  | 100.5 | 17.1 | 171  | 2 | Q43532_HUMAN |
| 53  | 100.5 | 17.1 | 215  | 2 | Q8N294_HUMAN |
| 54  | 100.5 | 17.1 | 341  | 2 | Q5R8T0_PONPY |
| 55  | 100.5 | 17.1 | 349  | 2 | Q2HWR5_PIG   |
| 56  | 100.5 | 17.1 | 350  | 1 | DKK3_HUMAN   |
| 57  | 100.5 | 17.1 | 350  | 2 | Q5R4Q2_PONPY |
| 58  | 100.5 | 17.1 | 350  | 2 | Q4R4I7_MACFA |
| 59  | 99.5  | 16.9 | 277  | 2 | Q5ES33_RAT   |
| 60  | 99.5  | 16.9 | 348  | 2 | Q5RKL1_RAT   |
| 61  | 98.5  | 16.7 | 349  | 1 | DKK3_MOUSE   |
| 62  | 97    | 16.5 | 266  | 1 | DKK1_HUMAN   |
| 63  | 96.5  | 16.4 | 268  | 1 | Q6FVU5_RABIT |
| 64  | 95.5  | 16.2 | 259  | 2 | Q57464_XENLA |
| 65  | 95    | 16.1 | 177  | 2 | Q4SL69_TETNG |
| 66  | 94.5  | 16.0 | 350  | 2 | Q6PQ81_HUMAN |
| 67  | 94    | 16.0 | 240  | 2 | Q9FWH3_BRARE |
| 68  | 94    | 16.0 | 418  | 2 | Q4T860_TETNG |
| 69  | 93.5  | 15.9 | 1233 | 2 | Q4S163_TETNG |
| 70  | 93    | 15.8 | 88   | 2 | Q5D229_HADSP |
| 71  | 92    | 15.6 | 88   | 2 | Q5D228_HADSP |
| 72  | 90.5  | 15.4 | 400  | 2 | Q3UIZ8_MOUSE |
| 73  | 90.5  | 15.4 | 425  | 1 | CNI30_MOUSE  |
| 74  | 90.5  | 15.4 | 425  | 2 | Q52KCO_MOUSE |
| 75  | 90.5  | 15.4 | 425  | 2 | Q642A8_RAT   |
| 76  | 89    | 15.1 | 88   | 2 | Q5D230_HADSP |
| 77  | 88.5  | 15.0 | 640  | 2 | Q96397_CHLRE |
| 78  | 86    | 14.6 | 241  | 2 | Q9W6D9_BRARE |
| 79  | 85    | 14.4 | 107  | 1 | COL_RABIT    |
| 80  | 84.5  | 14.3 | 102  | 2 | Q3UW21_MOUSE |
| 81  | 84    | 14.3 | 1331 | 2 | Q4S572_TETNG |
| 82  | 83.5  | 14.2 | 110  | 2 | Q4PML0_IXOSC |
| 83  | 83.5  | 14.2 | 504  | 2 | Q1XB78_MYTED |
| 84  | 83    | 14.1 | 708  | 2 | P87363_CHICK |
| 85  | 83    | 14.1 | 966  | 2 | Q22378_CAEEL |
| 86  | 82.5  | 14.0 | 274  | 2 | Q5RCC3_PONPY |
| 87  | 82.5  | 14.0 | 425  | 1 | NOTC4_MOUSE  |
| 88  | 82    | 13.9 | 1013 | 2 | Q2SCM0_XENTR |
| 89  | 82    | 13.9 | 1165 | 2 | Q5BKF5_XENTR |
| 90  | 81.5  | 13.8 | 446  | 2 | Q8NB03_HUMAN |
| 91  | 81    | 13.8 | 1964 | 1 | Q9D2R7_MOUSE |
| 92  | 80.5  | 13.7 | 113  | 2 | Q32NM5_XENLA |
| 93  | 80.5  | 13.7 | 386  | 2 | Q6JA22_XENLA |
| 94  | 80.5  | 13.7 | 388  | 2 | Q68Y16_XENLA |
| 95  | 80.5  | 13.7 | 729  | 2 | Q8BNH3_MOUSE |
| 96  | 80.5  | 13.7 | 787  | 2 | Q8K061_MOUSE |
| 97  | 80.5  | 13.7 | 1193 | 2 | Q4S758_TETNG |
| 98  | 80.5  | 13.7 | 1293 | 2 | Q16M09_AEDAE |
| 99  | 80.5  | 13.7 | 412  | 2 | Q557F1_DICDI |
| 100 | 80    | 13.6 | 412  | 2 | Q557F1_DICDI |
| 101 | 80    | 13.6 | 412  | 2 | Q68HY9_DICDI |
| 102 | 79.5  | 13.5 | 191  | 2 | Q6ZQM6_HUMAN |
| 103 | 79.5  | 13.5 | 404  | 2 | Q6ZQR7_HUMAN |
| 104 | 79.5  | 13.5 | 446  | 2 | Q8N1N5_HUMAN |

|        |              |
|--------|--------------|
| Q8JFY2 | bombina max  |
| Q2TBS7 | bos taurus   |
| Q50E35 | arvicanthis  |
| Q50E36 | arvicanthis  |
| Q50E61 | arvicanthis  |
| Q56R10 | penaeus mon  |
| Q8UUX3 | gallus gall  |
| Q56R11 | pacifastacu  |
| Q8VEJ3 | mus musculus |
| Q9UBT3 | homo sapien  |
| Q3KNX0 | homo sapien  |
| Q90839 | gallus gall  |
| Q9DDA4 | xenopus lae  |
| Q4RJF1 | tetraodon n  |
| Q9UBU2 | homo sapien  |
| Q5EHU6 | gecko japon  |
| Q9QY28 | mus musculus |
| Q8BFW0 | m 10, 11 da  |
| Q54908 | mus musculus |
| Q80UL5 | m dickkopf   |
| Q43532 | homo sapien  |
| Q8N294 | homo sapien  |
| Q5R8T0 | pongo pygma  |
| Q2HWR5 | sub scrofa   |
| Q9UBP4 | homo sapien  |
| Q5R4Q2 | pongo pygma  |
| Q4R4I7 | macaca fasc  |
| Q5ES33 | rattus norv  |
| Q5RKL1 | rattus norv  |
| Q9QUN9 | mus musculus |
| Q94907 | homo sapien  |
| Q6PVU5 | oryctolagus  |
| Q57464 | xenopus lae  |
| Q4SL69 | tetraodon n  |
| Q6PQ81 | homo sapien  |
| Q9FWH3 | brachydanio  |
| Q4T860 | tetraodon n  |
| Q4S163 | tetraodon n  |
| Q5D229 | hadronyche   |
| Q5D228 | hadronyche   |
| Q3UIZ8 | mus musculus |
| Q8BU04 | mus musculus |
| Q52KCO | m hypotheti  |
| Q642A8 | rattus norv  |
| Q5D230 | hadronyche   |
| Q96397 | chlamydomon  |
| Q9W6D9 | brachydanio  |
| P42890 | oryctolagus  |
| Q3UW21 | mus musculus |
| Q4S572 | tetraodon n  |
| Q4PML0 | ixodes scap  |
| Q1XB78 | mytilus edu  |
| P87363 | gallus gall  |
| Q22378 | caenorhabdi  |
| Q5RCC3 | pongo pygma  |
| Q8N306 | homo sapien  |
| Q28CM0 | xenopus tro  |
| Q5BKF5 | xenopus tro  |
| Q8NB03 | homo sapien  |
| P31695 | mus musculus |
| Q9D2R7 | mus musculus |
| Q32NM5 | xenopus lae  |
| Q6JA22 | xenopus lae  |
| Q68Y16 | xenopus lae  |
| Q8BNH3 | mus musculus |
| Q8K061 | mus musculus |
| Q4S758 | tetraodon n  |
| Q16M09 | ades aegypt  |
| Q557F1 | dictyostell  |
| Q68HY9 | dictyostell  |
| Q6ZQM6 | homo sapien  |
| Q6ZQR7 | homo sapien  |
| Q8N1N5 | homo sapien  |

|     |      |      |      |   |              |                     |     |      |      |      |   |              |                     |
|-----|------|------|------|---|--------------|---------------------|-----|------|------|------|---|--------------|---------------------|
| 105 | 79.5 | 13.5 | 704  | 1 | FBLN1_CHICK  | 073775 gallus gall  | 178 | 74.5 | 12.6 | 392  | 2 | Q6NUF1_XENLA | Q6nuf1 xenopus lae  |
| 106 | 79.5 | 13.5 | 870  | 2 | Q8IOG6_DROME | Q8igs6 drosoephila  | 179 | 74.5 | 12.6 | 429  | 2 | Q1XBT6_MYTED | Q1xbt6 mytilus edu  |
| 107 | 79.5 | 13.5 | 1353 | 2 | Q4UGZ9_HUMAN | Q4ugs9 thelieria a  | 180 | 74.5 | 12.6 | 720  | 2 | Q2U318_ASPOP | Q2u318 aspergillus  |
| 108 | 79   | 13.4 | 109  | 2 | Q5U809_HUMAN | Q5u809 homo sapien  | 181 | 74.5 | 12.6 | 1426 | 2 | Q4RTA6_TETNG | Q4rta6 tetraodon n  |
| 109 | 79   | 13.4 | 112  | 1 | COL_HUMAN    | P04118 homo sapien  | 182 | 74.5 | 12.6 | 2327 | 2 | Q91BG7_XENLA | Q91bg7 xenopus lae  |
| 110 | 79   | 13.4 | 112  | 2 | Q5T9G7_HUMAN | Q5t9g7 homo sapien  | 183 | 74.5 | 12.6 | 5644 | 2 | Q16KQ9_AEDAE | Q16kq9 aedes aegypt |
| 111 | 79   | 13.4 | 224  | 2 | Q4H3Q2_CIOIN | Q4h3q2 ciona intes  | 184 | 74   | 12.6 | 92   | 2 | Q615U9_ORYSA | Q615u9 oryza sativ  |
| 112 | 79   | 13.4 | 285  | 2 | Q4H3Q3_CIOIN | Q4h3q3 ciona intes  | 185 | 74   | 12.6 | 111  | 1 | COL_SPEPR    | Q91xl7 spermothilu  |
| 113 | 79   | 13.4 | 919  | 2 | Q61V24_CAEBR | Q61v24 caenorhabdi  | 186 | 74   | 12.6 | 112  | 1 | COL_RAT      | P17084 rattus norv  |
| 114 | 79   | 13.4 | 1651 | 2 | Q9TVQ2_CAEBL | Q9tvq2 caenorhabdi  | 187 | 74   | 12.6 | 112  | 2 | Q29ID9_DROPS | Q29id9 drosoephila  |
| 115 | 79   | 13.4 | 2447 | 2 | Q13149_FUGRU | Q13149 fugu rubrip  | 188 | 74   | 12.6 | 211  | 2 | Q21QC1_RHOFD | Q21qc1 rhodofera    |
| 116 | 79   | 13.4 | 5533 | 2 | Q5RIP6_BRARE | Q5rip6 brachydanio  | 189 | 74   | 12.6 | 212  | 2 | Q16TD8_AEDAE | Q16td8 aedes aegypt |
| 117 | 78.5 | 13.3 | 162  | 2 | Q5JHVB_PVRKO | Q5jhw8 pyrococcus   | 190 | 74   | 12.6 | 623  | 2 | Q4P8A3_USTWA | Q4p8a3 uscilgo ma   |
| 118 | 78.5 | 13.3 | 593  | 2 | Q5R5T2_PONPY | Q5r5t2 pongo pygma  | 191 | 74   | 12.6 | 1168 | 2 | Q60XC0_CAEBR | Q60xc0 caenorhabdi  |
| 119 | 78   | 13.2 | 70   | 1 | CKIX_CONBE   | Q9u323 conus betul  | 192 | 74   | 12.6 | 1171 | 2 | Q4RLR5_TETNG | Q4rlr5 tetraodon n  |
| 120 | 78   | 13.2 | 425  | 2 | Q53RA0_HUMAN | Q53ra0 homo sapien  | 193 | 74   | 12.6 | 1216 | 2 | Q5TZK7_BRARE | Q5tzk7 brachydanio  |
| 121 | 78   | 13.2 | 1408 | 2 | Q4RX38_TETNG | Q4rx38 tetraodon n  | 194 | 74   | 12.6 | 1216 | 2 | Q5TZK8_BRARE | Q5tzk8 brachydanio  |
| 122 | 78   | 13.2 | 4599 | 1 | LRP1B_HUMAN  | Q9n2r2 homo sapien  | 195 | 74   | 12.6 | 1254 | 2 | Q90Y56_BRARE | Q90y56 brachydanio  |
| 123 | 77.5 | 13.2 | 350  | 2 | Q54EN7_DICDI | Q54en7 dictyosteli  | 196 | 74   | 12.6 | 1254 | 2 | Q9YHU2_BRARE | Q9yhu2 brachydanio  |
| 124 | 77.5 | 13.2 | 473  | 1 | FP2_MYGA     | Q25464 mytilus gal  | 197 | 74   | 12.6 | 3461 | 2 | Q16KR1_AEDAE | Q16kr1 aedes aegypt |
| 125 | 77.5 | 13.2 | 911  | 2 | Q7ZZT0_BRARE | Q7zzt0 brachydanio  | 198 | 74   | 12.6 | 4680 | 2 | Q7PV66_ANOGA | Q7pv66 anopheles g  |
| 126 | 77.5 | 13.2 | 2559 | 1 | STABQ2_MOUSE | Q8r4u0 mus musculu  | 199 | 74   | 12.6 | 701  | 2 | Q8AVE8_XENLA | Q8ave8 xenopus lae  |
| 127 | 77   | 13.1 | 251  | 2 | Q70LQ4_ENCBU | Q70lq4 enchytraeus  | 200 | 73.5 | 12.5 | 2146 | 2 | Q4T7A2_TETNG | Q4t7a2 tetraodon n  |
| 128 | 77   | 13.1 | 251  | 2 | Q24774_ENCBU | Q24774 enchytraeus  | 201 | 73.5 | 12.5 | 2715 | 1 | MLL4_HUMAN   | Q9umh6 homo sapien  |
| 129 | 77   | 13.1 | 693  | 2 | Q505M8_XENLA | Q505m8 xenopus lae  | 202 | 73.5 | 12.5 | 64   | 1 | TX16_PHORI   | P83893 phoneutria   |
| 130 | 77   | 13.1 | 762  | 2 | Q8ML23_DROME | Q8ml23 drosoephila  | 203 | 73   | 12.4 | 172  | 2 | Q8RU50_ORYSA | Q8ru50 oryza sativ  |
| 131 | 77   | 13.1 | 1961 | 2 | Q1EC02_DROME | Q1ec02 drosoephila  | 204 | 73   | 12.4 | 417  | 2 | TNR16_MOUSE  | Q920w1 mus musculu  |
| 132 | 77   | 13.1 | 3570 | 2 | Q6MG89_RAT   | Q6mg89 rattus norv  | 205 | 73   | 12.4 | 417  | 2 | Q8BY11_MOUSE | Q8byy1 mus musculu  |
| 133 | 77   | 13.1 | 3570 | 2 | Q7Q737_ANOGA | Q7q737 anopheles g  | 206 | 73   | 12.4 | 418  | 2 | Q5ZMNA_CHICK | Q5zmn4 gallus gall  |
| 134 | 76.5 | 13.0 | 81   | 2 | Q54HP8_DICDI | Q54h8 dictyosteli   | 207 | 73   | 12.4 | 427  | 2 | Q8CFT3_MOUSE | Q8cft3 mus musculu  |
| 135 | 76.5 | 13.0 | 425  | 2 | Q4R222_MACFA | Q4r222 macaca fasc  | 208 | 73   | 12.4 | 457  | 2 | Q81V86_HUMAN | Q81v86 homo sapien  |
| 136 | 76.5 | 13.0 | 1637 | 2 | Q9XSV8_BOVIN | Q9xsv8 bos taurus   | 209 | 73   | 12.4 | 461  | 1 | TNR1B_HUMAN  | Q5thj6 h tumor nec  |
| 137 | 76.5 | 13.0 | 5146 | 1 | SSPO_BOVIN   | P98167 bos taurus   | 210 | 73   | 12.4 | 461  | 2 | TNR1B_HUMAN  | Q5thj6 h tumor nec  |
| 138 | 76   | 12.9 | 264  | 2 | Q5HZW5_RAT   | Q5hzw5 rattus norv  | 211 | 73   | 12.4 | 667  | 2 | Q1WKW9_DROTE | Q1wkw9 drosoephila  |
| 139 | 76   | 12.9 | 299  | 2 | Q1HDL3_HUMAN | Q1hdl3 homo sapien  | 212 | 73   | 12.4 | 835  | 2 | Q9RH03_AZOIR | Q9rh03 azospirillu  |
| 140 | 76   | 12.9 | 496  | 2 | Q54L19_DICDI | Q54l19 dictyosteli  | 213 | 73   | 12.4 | 1123 | 2 | Q69ZY6_MOUSE | Q69zy6 mus musculu  |
| 141 | 76   | 12.9 | 496  | 2 | Q6TMJ0_DICDI | Q6tmj0 dictyosteli  | 214 | 73   | 12.4 | 2871 | 1 | Q4H346_CIOIN | Q4h346 ciona intes  |
| 142 | 76   | 12.9 | 1259 | 2 | Q385C6_9TRYP | Q385c6 trypanosoma  | 215 | 73   | 12.4 | 3075 | 1 | FEN1_PIG     | Q9lv36 sus scrofa   |
| 143 | 75.5 | 12.8 | 749  | 2 | Q86TP7_HUMAN | Q86tp7 homo sapien  | 216 | 73   | 12.4 | 3857 | 2 | LAMW1_HUMAN  | P23391 homo sapien  |
| 144 | 75.5 | 12.8 | 1099 | 2 | Q60V58_CAEBR | Q60v58 caenorhabdi  | 217 | 73   | 12.4 | 103  | 2 | Q6Z331_ORYSA | Q6z331 oryza sativ  |
| 145 | 75.5 | 12.8 | 1574 | 1 | MEGF6_RAT    | Q882n1 rattus norv  | 218 | 73   | 12.4 | 517  | 2 | Q9NP01_HUMAN | Q9np01 homo sapien  |
| 146 | 75.5 | 12.8 | 1761 | 2 | Q86XN2_HUMAN | Q86xn2 homo sapien  | 219 | 72.5 | 12.3 | 615  | 2 | Q22886_CAEBL | Q22886 caenorhabdi  |
| 147 | 75   | 12.7 | 60   | 2 | Q20AX5_CRAGI | Q20ax5 crassostrea  | 220 | 72.5 | 12.3 | 986  | 2 | Q1L889_BRARE | Q1l889 brachydanio  |
| 148 | 75   | 12.7 | 60   | 2 | Q20A06_CRAGI | Q20a06 crassostrea  | 221 | 72.5 | 12.3 | 1269 | 2 | Q1L926_BRARE | Q1l926 brachydanio  |
| 149 | 75   | 12.7 | 130  | 2 | Q4PMW2_IXOSC | Q4pmw2 ixodes scap  | 222 | 72.5 | 12.3 | 1365 | 2 | Q7SN88_HUMAN | Q7sn88 brachydanio  |
| 150 | 75   | 12.7 | 303  | 2 | Q3TTU9_MOUSE | Q3ttu9 mus musculu  | 223 | 72.5 | 12.3 | 1428 | 2 | Q1A5L3_BRARE | Q1a5l3 brachydanio  |
| 151 | 75   | 12.7 | 490  | 1 | TMPS2_MOUSE  | Q9jiq8 mus musculu  | 224 | 72.5 | 12.3 | 1778 | 2 | Q45VP9_DERVA | Q45vp9 dermacentor  |
| 152 | 75   | 12.7 | 490  | 1 | Q3UKK3_MOUSE | Q3uke3 mus musculu  | 225 | 72.5 | 12.3 | 2871 | 1 | FEN1_BOVIN   | P81133 bos taurus   |
| 153 | 75   | 12.7 | 490  | 2 | Q7TN04_MOUSE | Q7tn04 mus musculu  | 226 | 72.5 | 12.3 | 3277 | 1 | FEN1_HUMAN   | P35555 homo sapien  |
| 154 | 75   | 12.7 | 579  | 2 | Q6P2G0_HUMAN | Q6p2g0 homo sapien  | 227 | 72.5 | 12.3 | 3277 | 2 | Q6VU67_HUMAN | Q6vu67 homo sapien  |
| 155 | 75   | 12.7 | 647  | 2 | Q6P3V5_HUMAN | Q6p3v5 homo sapien  | 228 | 72.5 | 12.3 | 3333 | 2 | Q76E14_HUMAN | Q76e14 homo sapien  |
| 156 | 75   | 12.7 | 735  | 1 | ADAM2_HUMAN  | Q99965 homo sapien  | 229 | 72.5 | 12.3 | 3333 | 2 | Q6VU68_HUMAN | Q6vu68 homo sapien  |
| 157 | 75   | 12.7 | 1051 | 2 | Q5U4U1_XENLA | Q5u4u1 xenopus lae  | 230 | 72.5 | 12.3 | 101  | 2 | Q65313_9ROSI | Q65313 lavatera th  |
| 158 | 75   | 12.7 | 1214 | 2 | Q90YD2_XENLA | Q90yd2 xenopus lae  | 231 | 72   | 12.2 | 146  | 2 | Q5K4F7_SCHGR | Q5k4f7 schistocerc  |
| 159 | 75   | 12.7 | 1581 | 1 | LAMC3_MOUSE  | Q9r0b6 mus musculu  | 232 | 72   | 12.2 | 269  | 2 | Q4I3B1_GIBZE | Q4i3b1 gibberella   |
| 160 | 75   | 12.7 | 1581 | 2 | Q4VAI3_MOUSE | Q4vai3 mus musculu  | 233 | 72   | 12.2 | 348  | 2 | Q54KB6_DICDI | Q54kb6 dictyosteli  |
| 161 | 75   | 12.7 | 1957 | 2 | Q4SU28_TETNG | Q4su28 tetraodon n  | 234 | 72   | 12.2 | 576  | 2 | Q6YID6_PENMO | Q6yid6 penaeus mon  |
| 162 | 75   | 12.7 | 2003 | 1 | NOTC4_HUMAN  | Q99466 homo sapien  | 235 | 72   | 12.2 | 655  | 2 | Q1WKX2_DROER | Q1wvx2 drosoephila  |
| 163 | 75   | 12.7 | 2003 | 2 | Q5SPL1_HUMAN | Q5spl1 homo sapien  | 236 | 72   | 12.2 | 661  | 2 | Q1WKX0_DROSI | Q1wvx0 drosoephila  |
| 164 | 75   | 12.7 | 2003 | 2 | Q5SSY7_HUMAN | Q5ssy7 homo sapien  | 237 | 72   | 12.2 | 665  | 2 | Q1WKX1_DROOR | Q1wvx1 drosoephila  |
| 165 | 75   | 12.7 | 2005 | 2 | Q5STG5_HUMAN | Q5satg5 homo sapien | 238 | 72   | 12.2 | 682  | 2 | Q1WKW8_DROYA | Q1wkw8 drosoephila  |
| 166 | 75   | 12.7 | 2318 | 1 | NOTC3_MOUSE  | Q61982 mus musculu  | 239 | 72   | 12.2 | 1361 | 2 | Q9NGV2_DROME | Q9ngv2 drosoephila  |
| 167 | 75   | 12.7 | 2319 | 1 | NOTC3_RAT    | Q9r172 rattus norv  | 240 | 72   | 12.2 | 1361 | 2 | Q9V714_DROME | Q9v714 drosoephila  |
| 168 | 75   | 12.7 | 2531 | 2 | Q16004_LYTVA | Q16004 lytechinus   | 241 | 72   | 12.2 | 1639 | 1 | LAMC1_DROME  | P15215 drosoephila  |
| 169 | 75   | 12.7 | 2884 | 2 | Q4SHN1_TETNG | Q4shn1 tetraodon n  | 242 | 72   | 12.2 | 1639 | 2 | Q5BI30_DROME | Q5bi30 drosoephila  |
| 170 | 75   | 12.7 | 3667 | 2 | Q29F13_DROPS | Q29f13 drosoephila  | 243 | 72   | 12.2 | 170  | 2 | Q5ZVJ8_CIOIN | Q5zvj8 ciona intes  |
| 171 | 74.5 | 12.6 | 104  | 2 | Q7XZ46_GRIJA | Q7xz46 griffithsia  | 244 | 72   | 12.2 | 453  | 2 | Q64767_ADEGI | Q64767 mytilus edu  |
| 172 | 74.5 | 12.6 | 113  | 1 | COL_MOUSE    | Q9cqc2 mus musculu  | 245 | 71.5 | 12.1 | 466  | 2 | Q1XBT7_MYTED | P28797 cavia porce  |
| 173 | 74.5 | 12.6 | 190  | 2 | Q4T7E9_TETNG | Q4t7e9 tetraodon n  | 246 | 71.5 | 12.1 | 591  | 1 | GRN_CAVPO    | Q8nbh6 homo sapien  |
| 174 | 74.5 | 12.6 | 194  | 2 | Q4SIA7_TETNG | Q4sia7 tetraodon n  | 247 | 71.5 | 12.1 | 638  | 2 | Q8NBH6_HUMAN | P23142 homo sapien  |
| 175 | 74.5 | 12.6 | 286  | 2 | Q7R5C8_GIALA | Q7r5c8 giardia lam  | 248 | 71.5 | 12.1 | 703  | 1 | FBLN1_HUMAN  |                     |
| 176 | 74.5 | 12.6 | 387  | 2 | Q4KLX7_XENLA | Q4klx7 xenopus lae  | 249 | 71.5 | 12.1 |      |   |              |                     |
| 177 | 74.5 | 12.6 | 387  | 2 | Q9PVD4_XENLA | Q9pvd4 xenopus lae  | 250 | 71.5 | 12.1 |      |   |              |                     |

|     |      |      |      |   |               |             |              |     |      |      |      |   |             |        |        |              |
|-----|------|------|------|---|---------------|-------------|--------------|-----|------|------|------|---|-------------|--------|--------|--------------|
| 251 | 71.5 | 12.1 | 1064 | 2 | Q2HD56        | chaetomium  | Q2hd56       | 324 | 69.5 | 11.8 | 1147 | 2 | Q3TLU3      | mouse  | Q3tlu3 | mus musculus |
| 252 | 71.5 | 12.1 | 1170 | 1 | TSP2_BOVIN    | Q95116      | bov taurus   | 325 | 69.5 | 11.8 | 2352 | 2 | Q61240      | HALROU | Q61240 | halocynthia  |
| 253 | 71.5 | 12.1 | 1178 | 1 | TSP2_CHICK    | P35440      | gallus gall  | 326 | 69.5 | 11.8 | 2653 | 2 | Q52523      | LUCCO  | Q52523 | lucyia cup   |
| 254 | 71.5 | 12.1 | 1285 | 1 | CRUM2_HUMAN   | Q5148       | homo sapien  | 327 | 69.5 | 11.8 | 4545 | 2 | Q912X7      | MOUSE  | Q912x7 | mus musculus |
| 255 | 71.5 | 12.1 | 1466 | 2 | Q1A512        | brachydanio | Q1a512       | 328 | 69.5 | 11.8 | 4545 | 2 | Q920Y4      | MOUSE  | Q920y4 | mus musculus |
| 256 | 71.5 | 12.1 | 1519 | 2 | Q8WPN0_OIKOI  | Q8wpp0      | oikopleura   | 329 | 69.5 | 11.8 | 4545 | 2 | Q61291      | MOUSE  | Q61291 | mus musculus |
| 257 | 71.5 | 12.1 | 1744 | 2 | Q8CHH1_MOUSE  | Q8chh1      | mus musculus | 330 | 69   | 11.7 | 106  | 2 | Q3AQ5       | ORYSA  | Q3aq5  | oryza sativ  |
| 258 | 71.5 | 12.1 | 1809 | 1 | FXYL_DROME    | Q96838      | drosohila    | 331 | 69   | 11.7 | 217  | 2 | Q7XZ34      | GRIJA  | Q7xz34 | griffithsia  |
| 259 | 71.5 | 12.1 | 2013 | 2 | Q6PHU4_MOUSE  | Q6phu4      | mus musculus | 332 | 69   | 11.7 | 220  | 1 | UPAS        | RAT    | Q81RV4 | drosophila   |
| 260 | 71.5 | 12.1 | 2713 | 2 | Q5NUO9_MOUSE  | Q5nuo9      | mus musculus | 333 | 69   | 11.7 | 220  | 1 | UPAS        | RAT    | Q81RV4 | drosophila   |
| 261 | 71.5 | 12.1 | 3652 | 2 | Q16PL9_AEDAE  | Q16pl9      | aedes aegypt | 334 | 69   | 11.7 | 328  | 1 | UPAR        | RAT    | Q66JK7 | xenopus tro  |
| 262 | 71   | 12.1 | 286  | 2 | Q7JMU0_MELIC  | Q7jmu0      | meloidogyne  | 335 | 69   | 11.7 | 388  | 2 | Q4R3X4      | MACFA  | Q4r3x4 | macaca fasc  |
| 263 | 71   | 12.1 | 288  | 2 | Q5R1P8_BRARE  | Q5rip8      | brachydanio  | 336 | 69   | 11.7 | 403  | 2 | Q4R3X4      | MACFA  | Q4r3x4 | macaca fasc  |
| 264 | 71   | 12.1 | 305  | 2 | Q25467_MELIC  | Q25467      | meloidogyne  | 337 | 69   | 11.7 | 611  | 2 | Q4S2Z8      | TETNG  | Q4s2z8 | tetraodon n  |
| 265 | 71   | 12.1 | 438  | 2 | Q53Y88_HUMAN  | Q53y88      | homo sapien  | 338 | 69   | 11.7 | 949  | 2 | Q3V7A7      | 9PRIM  | Q3v7a7 | macaca fusc  |
| 266 | 71   | 12.1 | 442  | 2 | Q55GL3_DICDI  | Q55gl3      | dictyosteli  | 339 | 69   | 11.7 | 1599 | 2 | Q616G7      | CAEBR  | Q616g7 | caenorhabdi  |
| 267 | 71   | 12.1 | 457  | 2 | Q8TEC5_HUMAN  | Q8tec5      | homo sapien  | 340 | 69   | 11.7 | 1976 | 2 | Q59ES6      | HUMAN  | Q59es6 | homo sapien  |
| 268 | 71   | 12.1 | 587  | 2 | Q2HJ16_BOVIN  | Q2hj16      | bov taurus   | 341 | 69   | 11.7 | 2360 | 2 | Q7YZP0      | EINMA  | Q7yzp0 | eimeria max  |
| 269 | 71   | 12.1 | 593  | 1 | GRN_HUMAN     | P28799      | h granulin   | 342 | 69   | 11.7 | 2911 | 1 | FBN2        | HUMAN  | P35556 | homo sapien  |
| 270 | 71   | 12.1 | 593  | 2 | Q540U8_HUMAN  | Q540u8      | homo sapien  | 343 | 69   | 11.7 | 3133 | 1 | HMCT        | BOMMO  | P98092 | bombyx mori  |
| 271 | 71   | 12.1 | 593  | 2 | Q53H08_HUMAN  | Q53hg8      | homo sapien  | 344 | 69   | 11.7 | 3712 | 1 | LAMA        | DROME  | Q00174 | drosohila    |
| 272 | 71   | 12.1 | 719  | 2 | Q1CX64_MYXXA  | Q1cx64      | myxococcus   | 345 | 68.5 | 11.6 | 143  | 2 | Q330K6      | TRIMU  | Q330k6 | trimeresuru  |
| 273 | 71   | 12.1 | 1379 | 2 | Q59H72_HUMAN  | Q59h72      | homo sapien  | 346 | 68.5 | 11.6 | 182  | 2 | Q307E7      | SHEEP  | Q307e7 | ovis aries   |
| 274 | 71   | 12.1 | 1568 | 2 | Q5VUP0_HUMAN  | Q5vup0      | homo sapien  | 347 | 68.5 | 11.6 | 295  | 2 | Q9NEG3      | DROME  | Q9neg3 | drosohila    |
| 275 | 71   | 12.1 | 1587 | 1 | LAMC3_HUMAN   | Q9y6n6      | homo sapien  | 348 | 68.5 | 11.6 | 328  | 2 | Q8MQG3      | CAEBL  | Q8mqg3 | caenorhabdi  |
| 276 | 71   | 12.1 | 1587 | 2 | Q5VUP1_HUMAN  | Q5vup1      | homo sapien  | 349 | 68.5 | 11.6 | 333  | 2 | Q3HTT8      | CANFA  | Q3htt8 | canis fami   |
| 277 | 71   | 12.1 | 1624 | 2 | Q17AS8_AEDAE  | Q17as8      | aedes aegypt | 350 | 68.5 | 11.6 | 369  | 2 | Q565Y9      | 9BACT  | Q565y9 | uncultured   |
| 278 | 71   | 12.1 | 1637 | 2 | Q29CY8_DROPS  | Q29cy8      | drosohila    | 351 | 68.5 | 11.6 | 469  | 2 | Q5BLE3      | BRARE  | Q5ble3 | brachydanio  |
| 279 | 71   | 12.1 | 2359 | 2 | Q59FC2_HUMAN  | Q59fc2      | homo sapien  | 352 | 68.5 | 11.6 | 587  | 2 | Q3VQV5      | PROAE  | Q3vqv5 | prosthecoch  |
| 280 | 70.5 | 12.0 | 172  | 2 | Q19QV7_9CNIID | Q19qv7      | neomatosteli | 353 | 68.5 | 11.6 | 598  | 1 | FBLN1       | CERAE  | Q8mjy9 | cercopithec  |
| 281 | 70.5 | 12.0 | 239  | 2 | Q1FAJ6_9CHLR  | Q1faj6      | roseiflexus  | 354 | 68.5 | 11.6 | 671  | 2 | Q6BET7      | CAEBL  | Q6bet7 | caenorhabdi  |
| 282 | 70.5 | 12.0 | 287  | 2 | Q75212_BRARE  | Q75212      | brachydanio  | 355 | 68.5 | 11.6 | 708  | 2 | Q7F803      | ORYSA  | Q7f803 | oryza sativ  |
| 283 | 70.5 | 12.0 | 444  | 2 | Q6QW08_AZOB   | Q6qw08      | azospirillum | 356 | 68.5 | 11.6 | 726  | 2 | Q8AW87      | CYNPY  | Q8aw87 | cynops pyrr  |
| 284 | 70.5 | 12.0 | 490  | 2 | Q6P7D7_RAT    | Q6p7d7      | rattus norv  | 357 | 68.5 | 11.6 | 728  | 2 | Q90656      | CHICK  | Q90656 | gallus gall  |
| 285 | 70.5 | 12.0 | 555  | 2 | Q4RN57_TETNG  | Q4rn57      | tetraodon n  | 358 | 68.5 | 11.6 | 850  | 2 | Q04384      | BRAL   | Q04384 | brassica ol  |
| 286 | 70.5 | 12.0 | 701  | 2 | Q4T4W9_TETNG  | Q4t4w9      | tetraodon n  | 359 | 68.5 | 11.6 | 894  | 2 | Q17429      | CAEBL  | Q17429 | caenorhabdi  |
| 287 | 70.5 | 12.0 | 1063 | 2 | Q7QU10_GIALA  | Q7qu10      | giardia lam  | 360 | 68.5 | 11.6 | 898  | 2 | Q8MQG2      | CAEBL  | Q8mqg2 | caenorhabdi  |
| 288 | 70.5 | 12.0 | 1212 | 2 | Q42347_CHICK  | Q42347      | gallus gall  | 361 | 68.5 | 11.6 | 909  | 2 | Q52EL8      | ORYSA  | Q52el8 | oryza sativ  |
| 289 | 70.5 | 12.0 | 1847 | 2 | Q76952_AEDAE  | Q76952      | aedes aegypt | 362 | 68.5 | 11.6 | 931  | 2 | Q61FT4      | CAEBR  | Q61ft4 | caenorhabdi  |
| 290 | 70.5 | 12.0 | 1847 | 2 | Q171G8_AEDAE  | Q171g8      | aedes aegypt | 363 | 68.5 | 11.6 | 960  | 2 | Q8MM07      | CAEBL  | Q8mm07 | caenorhabdi  |
| 291 | 70.5 | 12.0 | 1847 | 2 | Q16GY3_AEDAE  | Q16gy3      | aedes aegypt | 364 | 68.5 | 11.6 | 969  | 2 | Q81V28      | HUMAN  | Q81v28 | homo sapien  |
| 292 | 70.5 | 12.0 | 2871 | 1 | FBN1_MOUSE    | Q61554      | mus musculus | 365 | 68.5 | 11.6 | 1172 | 1 | TSP2_MOUSE  |        | Q03350 | mus musculus |
| 293 | 70.5 | 12.0 | 2872 | 2 | Q9WU88_RAT    | Q9wuh8      | rattus norv  | 366 | 68.5 | 11.6 | 1172 | 2 | Q7TMT3      | MOUSE  | Q7tmt3 | mus musculus |
| 294 | 70   | 11.9 | 68   | 1 | TX16_PHONI    | P83997      | phonetria    | 367 | 68.5 | 11.6 | 1172 | 2 | Q8CG21      | MOUSE  | Q8cg21 | mus musculus |
| 295 | 70   | 11.9 | 92   | 2 | Q2MCN5_HYDMA  | Q2mcn5      | hydra magni  | 368 | 68.5 | 11.6 | 1180 | 2 | Q5CZ12      | HUMAN  | Q5cz12 | homo sapien  |
| 296 | 70   | 11.9 | 315  | 2 | Q56JU1_CANFA  | Q56jj1      | canis fami   | 369 | 68.5 | 11.6 | 1375 | 1 | NID2_HUMAN  |        | Q14112 | homo sapien  |
| 297 | 70   | 11.9 | 399  | 2 | Q2E3D9_ACICE  | Q2e3d9      | acidothermu  | 370 | 68.5 | 11.6 | 1801 | 2 | Q8WSJ2      | BOMMO  | Q8wsj2 | bombyx mori  |
| 298 | 70   | 11.9 | 426  | 2 | Q6TMJ6_DICDI  | Q6tmj6      | dictyosteli  | 371 | 68.5 | 11.6 | 1827 | 2 | Q8JHV6      | BRARE  | Q8jhv6 | brachydanio  |
| 299 | 70   | 11.9 | 426  | 2 | Q55FY2_DICDI  | Q55fy2      | dictyosteli  | 372 | 68.5 | 11.6 | 1838 | 2 | Q28XF3      | DROPS  | Q28xf3 | drosohila    |
| 300 | 70   | 11.9 | 460  | 2 | Q5SY22_HUMAN  | Q5sy22      | homo sapien  | 373 | 68.5 | 11.6 | 1952 | 2 | Q95SN5      | DROME  | Q95sn5 | drosohila    |
| 301 | 70   | 11.9 | 490  | 2 | Q920K3_RAT    | Q920k3      | rattus norv  | 374 | 68.5 | 11.6 | 4547 | 2 | Q9W343      | DROME  | Q9w343 | drosohila    |
| 302 | 70   | 11.9 | 706  | 2 | Q4H3Q7_CIOIN  | Q4h3q7      | ciona intes  | 375 | 68   | 11.5 | 112  | 1 | COL_CANFA   |        | P19090 | canis fami   |
| 303 | 70   | 11.9 | 729  | 2 | Q7T3M4_BRARE  | Q7t3m4      | brachydanio  | 376 | 68   | 11.5 | 113  | 2 | Q5T5G1      | HUMAN  | Q5t5g1 | homo sapien  |
| 304 | 70   | 11.9 | 729  | 2 | Q4V9K5_BRARE  | Q4v9k5      | brachydanio  | 377 | 68   | 11.5 | 314  | 2 | Q5XTR8      | MACMU  | Q5xt8  | macaca mula  |
| 305 | 70   | 11.9 | 750  | 2 | Q4RQ92_TETNG  | Q4rq92      | tetraodon n  | 378 | 68   | 11.5 | 345  | 2 | Q7JKP2      | CAEBL  | Q7jkp2 | caenorhabdi  |
| 306 | 70   | 11.9 | 841  | 1 | TS1R1_HUMAN   | Q7rtx1      | homo sapien  | 379 | 68   | 11.5 | 358  | 2 | Q9U362      | CAEBL  | Q9u362 | caenorhabdi  |
| 307 | 70   | 11.9 | 947  | 2 | Q8BK7_MOUSE   | Q8bk7       | mus musculus | 380 | 68   | 11.5 | 427  | 1 | TNR16       | HUMAN  | P08138 | homo sapien  |
| 308 | 70   | 11.9 | 950  | 2 | Q802C1_XENLA  | Q802c1      | xenopus lae  | 381 | 68   | 11.5 | 448  | 2 | Q2GPN1      | CHAGB  | Q2gpn1 | chaetomium   |
| 309 | 70   | 11.9 | 1140 | 2 | Q80T91_MOUSE  | Q80t91      | mus musculus | 382 | 68   | 11.5 | 489  | 1 | MA2A1       | RAT    | P28494 | rattus norv  |
| 310 | 70   | 11.9 | 1790 | 2 | Q55F41_DICDI  | Q55f41      | dictyosteli  | 383 | 68   | 11.5 | 497  | 2 | Q4AQC1      | 9CHLB  | Q4aqc1 | chlorobium   |
| 311 | 70   | 11.9 | 2428 | 2 | Q816X6_BOOMI  | Q816x6      | boophilus m  | 384 | 68   | 11.5 | 586  | 1 | UL84_HCMVA  |        | P16727 | human cytom  |
| 312 | 69.5 | 11.8 | 89   | 2 | Q5D232_HADSP  | Q5d232      | hadronyche   | 385 | 68   | 11.5 | 586  | 2 | Q6RXF3      | HCNV   | Q6rxf3 | human cytom  |
| 313 | 69.5 | 11.8 | 111  | 2 | Q4PN79_IXOSC  | Q4pn79      | ixodes scap  | 386 | 68   | 11.5 | 587  | 2 | Q6SW58      | HCNV   | Q6sw58 | human cytom  |
| 314 | 69.5 | 11.8 | 113  | 2 | Q8MKJ5_DROME  | Q8mkj5      | drosohila    | 387 | 68   | 11.5 | 593  | 2 | Q4R529      | MACFA  | Q4r529 | macaca fasc  |
| 315 | 69.5 | 11.8 | 123  | 2 | Q3XNW9_9PROT  | Q3xnw9      | magnetococc  | 388 | 68   | 11.5 | 677  | 2 | Q4T3P3      | TETNG  | Q4t3p3 | tetraodon n  |
| 316 | 69.5 | 11.8 | 413  | 2 | Q9H8S1_HUMAN  | Q9h8s1      | homo sapien  | 389 | 68   | 11.5 | 729  | 2 | Q6GPT6      | XENLA  | Q6gpt6 | xenopus lae  |
| 317 | 69.5 | 11.8 | 540  | 2 | Q4CXJ4_TRYCR  | Q4cxj4      | trypanosoma  | 390 | 68   | 11.5 | 794  | 2 | Q8T4P0      | LYTVA  | Q8t4p0 | lytechinus   |
| 318 | 69.5 | 11.8 | 551  | 2 | Q61MD2_CAEBR  | Q61md2      | caenorhabdi  | 391 | 68   | 11.5 | 893  | 2 | Q9YIY3      | 9METZ  | Q9yiy3 | ephydatia f  |
| 319 | 69.5 | 11.8 | 587  | 2 | Q61T62_CAEBR  | Q61t62      | caenorhabdi  | 392 | 68   | 11.5 | 944  | 2 | Q4SLY2      | TETNG  | Q4sly2 | tetraodon n  |
| 320 | 69.5 | 11.8 | 802  | 2 | Q7JL02_CAEBL  | Q7jl02      | caenorhabdi  | 393 | 68   | 11.5 | 964  | 2 | Q4STC1      | TETNG  | Q4stc1 | tetraodon n  |
| 321 | 69.5 | 11.8 | 818  | 2 | Q4V7B3_RAT    | Q4v7b3      | rattus norv  | 394 | 68   | 11.5 | 1090 | 2 | Q5SPG5      | BRARE  | Q5spg5 | brachydanio  |
| 322 | 69.5 | 11.8 | 847  | 2 | Q90W12_ONCMY  | Q90w12      | oncorhynch   | 395 | 68   | 11.5 | 1119 | 2 | Q18034      | CAEBL  | Q18034 | caenorhabdi  |
| 323 | 69.5 | 11.8 | 949  | 2 | P90956_CAEBL  | P90956      | caenorhabdi  | 396 | 68   | 11.5 | 1150 | 1 | MA2A1_MOUSE |        | P27046 | mus musculus |



|     |      |       |   |              |                    |     |      |      |      |   |              |                     |
|-----|------|-------|---|--------------|--------------------|-----|------|------|------|---|--------------|---------------------|
| 397 | 11.5 | 1984  | 1 | YL DROME     | P98163 drosophila  | 470 | 66.5 | 11.3 | 480  | 2 | Q34XA1_9GAMM | Q34xa1 alkallimmi   |
| 398 | 68   | 2906  | 2 | Q9WU9 RAT    | P93uh9 rattus norv | 471 | 66.5 | 11.3 | 511  | 2 | Q6IN42 RAT   | Q6in42 rattus norv  |
| 399 | 68   | 5147  | 1 | FAT DROME    | P33450 drosophila  | 472 | 66.5 | 11.3 | 588  | 1 | GRN RAT      | P21785 r granulin   |
| 400 | 67.5 | 110   | 1 | LCE2D HUMAN  | Q5ta82 homo sapien | 473 | 66.5 | 11.3 | 589  | 2 | GRN MOUSE    | P28798 mus musculus |
| 401 | 67.5 | 200   | 2 | Q7PWE6 ANOGA | Q7pwe6 anopheles g | 474 | 66.5 | 11.3 | 589  | 2 | Q3TX66 MOUSE | Q3tx66 mus musculus |
| 402 | 67.5 | 269   | 2 | Q583F5_9TRYP | Q583f5 trypanosoma | 475 | 66.5 | 11.3 | 589  | 2 | Q3TVQ3 MOUSE | Q3tvq3 mus musculus |
| 403 | 67.5 | 358   | 2 | Q94IY3 ORYZA | Q94iy3 oryza sativ | 476 | 66.5 | 11.3 | 589  | 2 | Q3UCI9 MOUSE | Q3uci9 mus musculus |
| 404 | 67.5 | 395   | 2 | Q5TV39 ANOGA | Q5tv39 anopheles g | 477 | 66.5 | 11.3 | 589  | 2 | Q544Y8 MOUSE | Q544y8 m adult mal  |
| 405 | 67.5 | 413   | 2 | Q6ZP14 HUMAN | Q6zpl4 homo sapien | 478 | 66.5 | 11.3 | 593  | 2 | Q3U9K2 MOUSE | Q3u9k2 mus musculus |
| 406 | 67.5 | 442   | 2 | Q569T8 XENLA | Q569t8 xenopus lae | 479 | 66.5 | 11.3 | 597  | 2 | Q54X44 DICDI | Q54x44 dictyosteli  |
| 407 | 67.5 | 443   | 2 | Q2TAU8 XENLA | Q2tau8 xenopus lae | 480 | 66.5 | 11.3 | 602  | 2 | Q3U9N4 MOUSE | Q3u9n4 m bone marr  |
| 408 | 67.5 | 509   | 2 | Q4SU37 TETNG | Q4su37 tetraodon n | 481 | 66.5 | 11.3 | 602  | 2 | Q3TW77 MOUSE | Q3tw77 mus musculus |
| 409 | 67.5 | 576   | 2 | Q9Y3V7 HUMAN | Q9y3v7 homo sapien | 482 | 66.5 | 11.3 | 602  | 2 | Q3U5Q6 MOUSE | Q3u5q6 mus musculus |
| 410 | 67.5 | 608   | 2 | Q627A0 CAERH | Q627a0 caenorhabdi | 483 | 66.5 | 11.3 | 602  | 2 | Q3U8W3 MOUSE | Q3u8w3 mus musculus |
| 411 | 67.5 | 793   | 2 | Q16MF7 AEDAE | Q16mf7 aedes aegyp | 484 | 66.5 | 11.3 | 602  | 2 | Q9D2V3 MOUSE | Q9d2v3 mus musculus |
| 412 | 67.5 | 884   | 2 | Q7QT01 GIALA | Q7qt01 giardia lam | 485 | 66.5 | 11.3 | 674  | 2 | Q8T4N9 STRPU | Q8t4n9 strongyloce  |
| 413 | 67.5 | 892   | 2 | Q17BR8 AEDAE | Q17br8 aedes aegyp | 486 | 66.5 | 11.3 | 714  | 1 | DL11 RAT     | P97677 rattus norv  |
| 414 | 67.5 | 895   | 2 | Q9LX29 ARATH | Q9lx29 arabidopsis | 487 | 66.5 | 11.3 | 907  | 2 | Q4R1B4 LEUMA | Q4r1b4 leucophaea   |
| 415 | 67.5 | 896   | 2 | Q16QO3 AEDAE | Q16qo3 aedes aegyp | 488 | 66.5 | 11.3 | 949  | 1 | PCDAB PANTR  | Q5drf3 pan troglod  |
| 416 | 67.5 | 1068  | 2 | Q6QHS4 STRPU | Q6qhs4 strongyloce | 489 | 66.5 | 11.3 | 996  | 2 | Q16ZG2 AEDAE | Q16zg2 aedes aegyp  |
| 417 | 67.5 | 1184  | 1 | FBLN2 HUMAN  | P98095 homo sapien | 490 | 66.5 | 11.3 | 1045 | 2 | Q8T3A6 CAEEL | Q8t3a6 caenorhabdi  |
| 418 | 67.5 | 1184  | 2 | Q86V58 HUMAN | Q86v58 homo sapien | 491 | 66.5 | 11.3 | 1070 | 2 | Q7R2W4 GIALA | Q7r2w4 giardia lam  |
| 419 | 67.5 | 1231  | 2 | Q8IUI0 HUMAN | Q8iui0 homo sapien | 492 | 66.5 | 11.3 | 1070 | 2 | Q8T3A7 CAEEL | Q8t3a7 caenorhabdi  |
| 420 | 67.5 | 1231  | 2 | Q8IUI1 HUMAN | Q8iui1 homo sapien | 493 | 66.5 | 11.3 | 1111 | 2 | Q9XWB6 CAEEL | Q9xwb6 caenorhabdi  |
| 421 | 67.5 | 1294  | 2 | Q8C622 MOUSE | Q8c622 mus musculu | 494 | 66.5 | 11.3 | 1111 | 2 | Q99K58 MOUSE | Q99k58 mus musculu  |
| 422 | 67.5 | 1356  | 2 | Q4N8W7 THEPA | Q4n8w7 theileria p | 495 | 66.5 | 11.3 | 1174 | 2 | Q3TGL4 MOUSE | Q3tgl4 mus musculu  |
| 423 | 67.5 | 1403  | 1 | NID2 MOUSE   | Q88322 mus musculu | 496 | 66.5 | 11.3 | 1221 | 1 | PBLN2 MOUSE  | P37889 mus musculu  |
| 424 | 67.5 | 1403  | 2 | Q3TPN0 MOUSE | Q3tpn0 mus musculu | 497 | 66.5 | 11.3 | 1444 | 2 | Q6A051 MOUSE | Q6a051 mus musculu  |
| 425 | 67.5 | 1403  | 2 | Q3US45 MOUSE | Q3us45 mus musculu | 498 | 66.5 | 11.3 | 1713 | 2 | Q5RH37 BRARE | Q5rh37 brachydanio  |
| 426 | 67.5 | 1403  | 2 | Q7TOF0 MOUSE | Q7tqf0 mus musculu | 499 | 66.5 | 11.3 | 1732 | 2 | Q1LY17 BRARE | Q1ly17 brachydanio  |
| 427 | 67.5 | 1403  | 2 | Q8CPA3 MOUSE | Q8cpa3 mus musculu | 500 | 66.5 | 11.3 | 1945 | 2 | Q4RQ96 TETNG | Q4rq96 tetraodon n  |
| 428 | 67.5 | 1403  | 2 | Q8R5G0 MOUSE | Q8r5g0 mus musculu | 501 | 66.5 | 11.3 | 3224 | 2 | Q4RVG6 TETNG | Q4rvg6 tetraodon n  |
| 429 | 67.5 | 1504  | 1 | SLIT DROME   | P24014 drosophila  | 502 | 66.5 | 11.3 | 5179 | 1 | MUC2 HUMAN   | Q02817 homo sapien  |
| 430 | 67.5 | 1687  | 2 | Q61204 MOUSE | Q61204 mus musculu | 504 | 66   | 11.2 | 64   | 1 | CX13 CONIM   | P69497 conus imper  |
| 431 | 67.5 | 1751  | 2 | Q4SK18 TETNG | Q4sk18 tetraodon n | 505 | 66   | 11.2 | 85   | 1 | Q59AA9 CONIM | Q59aa9 conus imper  |
| 432 | 67.5 | 4525  | 2 | Q16UK9 AEDAE | Q16uk9 aedes aegyp | 506 | 66   | 11.2 | 94   | 2 | HEPC MORCS   | P82917 morone chry  |
| 433 | 67.5 | 4699  | 2 | Q3V383 DROME | Q3v383 drosophila  | 507 | 66   | 11.2 | 149  | 2 | Q1XF21 CAEEL | Q1xf21 caenorhabdi  |
| 434 | 67.5 | 23015 | 2 | Q8IQ18 DROME | Q8iq18 drosophila  | 508 | 66   | 11.2 | 174  | 2 | Q8A335 ECOLI | Q8a335 escherichia  |
| 435 | 67   | 159   | 2 | Q2CGN9_9RHOB | Q2cgn9 oceanicola  | 509 | 66   | 11.2 | 208  | 2 | Q9A2N0 BOMMO | Q9a2n0 bombyx mori  |
| 436 | 67   | 237   | 1 | ALG14 YEAST  | P38242 saccharomyc | 510 | 66   | 11.2 | 234  | 2 | Q8K6H7 ORYSA | Q8k6h7 oryza sativ  |
| 437 | 67   | 328   | 2 | Q35771 RAT   | Q35771 rattus norv | 511 | 66   | 11.2 | 258  | 2 | Q7QGY2 ANOGA | Q7qgy2 anopheles g  |
| 438 | 67   | 371   | 2 | Q5U215 RAT   | Q5u215 rattus norv | 512 | 66   | 11.2 | 274  | 2 | Q7Q953 ANOGA | Q7q953 anopheles g  |
| 439 | 67   | 463   | 2 | Q88QF3_LITFO | Q88qf3 lithobius f | 513 | 66   | 11.2 | 350  | 2 | Q6NCDB RHOPA | Q6ncdb rhodopseudo  |
| 440 | 67   | 473   | 2 | Q3TS72 MOUSE | Q3ts72 mus musculu | 514 | 66   | 11.2 | 399  | 2 | Q1D2N0 MYXXA | Q1d2n0 myxococcus   |
| 441 | 67   | 495   | 2 | Q54QC5 DICDI | Q54qc5 dictyosteli | 515 | 66   | 11.2 | 488  | 2 | Q29GV6 DROPS | Q29gv6 drosophila   |
| 442 | 67   | 601   | 2 | Q1RMN3 BOVIN | Q1rmn3 bos taurus  | 516 | 66   | 11.2 | 722  | 2 | Q7R168 GIALA | Q7r168 giardia lam  |
| 443 | 67   | 724   | 2 | Q4ZJ75 XENLA | Q4zj75 xenopus lae | 517 | 66   | 11.2 | 724  | 2 | Q32NV6 XENLA | Q32nv6 xenopus lae  |
| 444 | 67   | 885   | 2 | Q7R1C5 GIALA | Q7r1c5 giardia lam | 518 | 66   | 11.2 | 728  | 2 | Q54DV5 DICDI | Q54dv5 dictyosteli  |
| 445 | 67   | 993   | 1 | EPHB3 MOUSE  | P54754 mus musculu | 519 | 66   | 11.2 | 792  | 2 | Q90Z43 CHICK | Q90z43 gallus gall  |
| 446 | 67   | 993   | 2 | Q91Y89 MOUSE | Q91y89 mus musculu | 520 | 66   | 11.2 | 813  | 2 | Q1IK26 ACIBL | Q1ik26 acidobacter  |
| 447 | 67   | 1050  | 2 | Q71G60 RSIV  | Q71g60 red sea bre | 521 | 66   | 11.2 | 898  | 2 | Q60UE2 CABBR | Q60ue2 caenorhabdi  |
| 448 | 67   | 1172  | 1 | TSP2 HUMAN   | P35442 homo sapien | 522 | 66   | 11.2 | 1057 | 2 | Q4N4P8 THEPA | Q4n4p8 theileria p  |
| 449 | 67   | 1172  | 2 | Q5RI52 HUMAN | Q5ri52 homo sapien | 523 | 66   | 11.2 | 1062 | 2 | Q3UG73 MOUSE | Q3ug73 mus musculu  |
| 450 | 67   | 1193  | 2 | Q90819 CHICK | Q90819 gallus gall | 524 | 66   | 11.2 | 1095 | 2 | Q90XG4 CHICK | Q90xg4 gallus gall  |
| 451 | 67   | 1218  | 1 | JAG1 MOUSE   | Q9qxo0 mus musculu | 525 | 66   | 11.2 | 1140 | 2 | Q68DE5 HUMAN | Q68de5 homo sapien  |
| 452 | 67   | 1218  | 2 | Q3UVN4 MOUSE | Q3uvn4 mus musculu | 526 | 66   | 11.2 | 1140 | 2 | Q96KG7 HUMAN | Q96kg7 homo sapien  |
| 453 | 67   | 1219  | 1 | JAG1 RAT     | Q63722 rattus norv | 527 | 66   | 11.2 | 1147 | 2 | Q6DIB5 MOUSE | Q6dib5 mus musculu  |
| 454 | 67   | 1229  | 1 | MEGF6 HUMAN  | Q75095 homo sapien | 528 | 66   | 11.2 | 1238 | 1 | JAG2 HUMAN   | Q9y219 homo sapien  |
| 455 | 67   | 1289  | 2 | Q59FL3 HUMAN | Q59fl3 homo sapien | 529 | 66   | 11.2 | 1327 | 1 | Y2006 MYCTU  | Q10850 mycobacteri  |
| 456 | 67   | 1640  | 2 | Q4AC86 HUMAN | Q4ac86 homo sapien | 530 | 66   | 11.2 | 1327 | 2 | Q7TZ61 MYCBO | Q7tz61 mycobacteri  |
| 457 | 67   | 1722  | 2 | Q19350 CAEEL | Q19350 caenorhabdi | 531 | 66   | 11.2 | 1416 | 2 | Q39WC4 GEOMG | Q39wc4 geobacter m  |
| 458 | 67   | 2225  | 2 | Q571J3 MOUSE | Q571j3 mus musculu | 532 | 66   | 11.2 | 1523 | 1 | SLIT3 MOUSE  | Q3uhn1 mus musculu  |
| 459 | 67   | 2321  | 1 | NOTC1 HUMAN  | Q9um47 homo sapien | 533 | 66   | 11.2 | 1523 | 2 | Q3UHN1 MOUSE | Q58556 mus musculu  |
| 460 | 67   | 2437  | 1 | NOTC1 BRARE  | P46530 brachydanio | 534 | 66   | 11.2 | 1523 | 2 | Q5SS56 MOUSE | Q9xxw5 caenorhabdi  |
| 461 | 67   | 2825  | 2 | Q70465 MOUSE | Q70465 mus musculu | 535 | 66   | 11.2 | 1743 | 2 | Q9XXW5 CAEEL | Q9xxw5 caenorhabdi  |
| 462 | 67   | 2907  | 1 | FN2 MOUSE    | Q61555 mus musculu | 536 | 66   | 11.2 | 1914 | 2 | Q499U7 RAT   | Q499u7 rattus norv  |
| 463 | 66.5 | 84    | 2 | Q5D231 HADSP | Q5d231 nadronyche  | 537 | 66   | 11.2 | 2289 | 2 | Q4S3T6 TETNG | Q4s3t6 tetraodon n  |
| 464 | 66.5 | 98    | 1 | KRA33 HUMAN  | Q9byr6 homo sapien | 538 | 66   | 11.2 | 2378 | 2 | Q4RW31 TETNG | Q4rw31 tetraodon n  |
| 465 | 66.5 | 98    | 2 | Q6NTD4 HUMAN | Q6ntd4 homo sapien | 539 | 66   | 11.2 | 2809 | 1 | FN3 HUMAN    | Q75n90 homo sapien  |
| 466 | 66.5 | 170   | 2 | Q2BNK4_9GAMM | Q2bnk4 oceanospiri | 540 | 66   | 11.2 | 5374 | 2 | Q99ND0 MOUSE | Q99nd0 mus musculu  |
| 467 | 66.5 | 287   | 2 | Q8IPJ1 DROME | Q8ipj1 drosophila  | 541 | 65.5 | 11.1 | 99   | 2 | Q9D7P0 MOUSE | Q9d7p0 mus musculu  |
| 468 | 66.5 | 362   | 2 | Q7B35 DSVH   | Q7b35 desulfovibr  | 542 | 65.5 | 11.1 | 99   | 2 | Q9CPW1_MOUSE | Q9cpw1 m adult mal  |
| 469 | 66.5 | 462   | 2 | Q3UDD6_MOUSE | Q3udd6 mus musculu |     |      |      |      |   |              |                     |

|     |      |      |      |   |              |        |              |     |      |      |      |   |              |        |              |
|-----|------|------|------|---|--------------|--------|--------------|-----|------|------|------|---|--------------|--------|--------------|
| 543 | 65.5 | 11.1 | 110  | 1 | LCE2B_HUMAN  | O14633 | homo sapien  | 616 | 65   | 11.0 | 263  | 2 | Q99740_HUMAN | Q99740 | homo sapien  |
| 544 | 65.5 | 11.1 | 110  | 1 | LCE2C_HUMAN  | O5ta81 | homo sapien  | 617 | 65   | 11.0 | 289  | 2 | Q1PG03_HYDSY | Q1PG03 | hydractinia  |
| 545 | 65.5 | 11.1 | 110  | 2 | Q5TA90_HUMAN | Q5ta80 | homo sapien  | 618 | 65   | 11.0 | 289  | 2 | Q1PG01_HYDSY | Q1PG01 | hydractinia  |
| 546 | 65.5 | 11.1 | 110  | 2 | Q4PMX5_ORYSA | Q4pmx5 | ixodes scap  | 619 | 65   | 11.0 | 289  | 2 | Q1PF29_HYDSY | Q1PF29 | hydractinia  |
| 547 | 65.5 | 11.1 | 113  | 2 | Q8H3W9_ORYSA | Q8h3w9 | oryza sativ  | 620 | 65   | 11.0 | 289  | 2 | Q1PG16_HYDSY | Q1PG16 | hydractinia  |
| 548 | 65.5 | 11.1 | 176  | 2 | Q4V4J0_DROME | Q4v4j0 | drosophila   | 621 | 65   | 11.0 | 289  | 2 | Q1PG00_HYDSY | Q1PG00 | hydractinia  |
| 549 | 65.5 | 11.1 | 208  | 2 | Q4DH08_TRYCR | Q4dh08 | trypanosoma  | 622 | 65   | 11.0 | 289  | 2 | Q1PG02_HYDSY | Q1PG02 | hydractinia  |
| 550 | 65.5 | 11.1 | 208  | 2 | Q4CWR8_TRYCR | Q4cwr8 | trypanosoma  | 623 | 65   | 11.0 | 289  | 2 | Q1PG10_HYDSY | Q1PG10 | hydractinia  |
| 551 | 65.5 | 11.1 | 230  | 2 | Q5VTG9_HUMAN | Q5vtg9 | homo sapien  | 624 | 65   | 11.0 | 289  | 2 | Q1PG05_HYDSY | Q1PG05 | hydractinia  |
| 552 | 65.5 | 11.1 | 236  | 2 | Q8WUQ9_HUMAN | Q8wuq9 | homo sapien  | 625 | 65   | 11.0 | 302  | 1 | CHI4_SOLTU   | P52406 | solanum tub  |
| 553 | 65.5 | 11.1 | 236  | 2 | Q7Z3S9_HUMAN | Q7z3s9 | homo sapien  | 626 | 65   | 11.0 | 306  | 2 | Q2KJ78_BOVIN | Q2k78  | bos taurus   |
| 554 | 65.5 | 11.1 | 244  | 2 | Q2Y7J9_NITMU | Q2y7j9 | nitrospir    | 627 | 65   | 11.0 | 315  | 2 | Q4U3E1_HUMAN | Q4u3e1 | homo sapien  |
| 555 | 65.5 | 11.1 | 249  | 2 | Q5BKT8_HUMAN | Q5bkt8 | homo sapien  | 628 | 65   | 11.0 | 320  | 2 | Q9PUK3_CHICK | Q9pu3  | gallus gall  |
| 556 | 65.5 | 11.1 | 254  | 2 | Q5UCC6_HUMAN | Q5ucc6 | homo sapien  | 629 | 65   | 11.0 | 322  | 2 | Q2OCF5_PETMA | Q2ocf5 | petromyzon   |
| 557 | 65.5 | 11.1 | 256  | 1 | F8TLJ3_MOUSE | Q9eqc7 | mus musculus | 630 | 65   | 11.0 | 329  | 2 | Q8I145_SOLTU | Q8i145 | solanum tub  |
| 558 | 65.5 | 11.1 | 256  | 2 | Q842M9_MOUSE | Q842m9 | mus musculus | 631 | 65   | 11.0 | 329  | 2 | O81144_SOLTU | O81144 | solanum tub  |
| 559 | 65.5 | 11.1 | 262  | 2 | Q8N541_HUMAN | Q8n541 | homo sapien  | 632 | 65   | 11.0 | 329  | 2 | O81144_SOLTU | O81144 | solanum tub  |
| 560 | 65.5 | 11.1 | 262  | 2 | Q5UCC4_HUMAN | Q5ucc4 | homo sapien  | 633 | 65   | 11.0 | 362  | 2 | O9PVN4_CHICK | O9pv4  | gallus gall  |
| 561 | 65.5 | 11.1 | 266  | 2 | Q86YL4_HUMAN | Q86yl4 | homo sapien  | 634 | 65   | 11.0 | 379  | 2 | O7SKV0_BRARE | O7skv0 | brachydanio  |
| 562 | 65.5 | 11.1 | 269  | 2 | Q6UWP3_HUMAN | Q6uwp3 | homo sapien  | 635 | 65   | 11.0 | 383  | 2 | Q969Y6_HUMAN | Q969y6 | homo sapien  |
| 563 | 65.5 | 11.1 | 269  | 2 | Q8NC23_HUMAN | Q8nc23 | homo sapien  | 636 | 65   | 11.0 | 400  | 2 | Q22B14_TETTH | Q22b14 | tetrahymena  |
| 564 | 65.5 | 11.1 | 323  | 2 | Q4Q266_LEIMA | Q4q266 | leishmania   | 637 | 65   | 11.0 | 426  | 2 | O81499_CUPSA | O81499 | cupienius    |
| 565 | 65.5 | 11.1 | 337  | 2 | Q8NHD3_HUMAN | Q8nhd3 | homo sapien  | 638 | 65   | 11.0 | 433  | 2 | Q91ZM6_RAT   | Q91zm6 | mus musculus |
| 566 | 65.5 | 11.1 | 342  | 2 | Q6P192_HUMAN | Q6p192 | homo sapien  | 639 | 65   | 11.0 | 448  | 2 | O8P7W2_XANCP | O8p7w2 | xanthomonas  |
| 567 | 65.5 | 11.1 | 342  | 2 | Q8NHD5_HUMAN | Q8nhd5 | homo sapien  | 640 | 65   | 11.0 | 448  | 2 | Q4UW87_XANCP | Q4uw87 | xanthomonas  |
| 568 | 65.5 | 11.1 | 343  | 2 | Q5XG84_HUMAN | Q5xg84 | homo sapien  | 641 | 65   | 11.0 | 461  | 2 | Q6VAU8_RAT   | Q6va8  | rattus norv  |
| 569 | 65.5 | 11.1 | 343  | 2 | Q42607_XENLA | Q42607 | xenopus lae  | 642 | 65   | 11.0 | 474  | 1 | TNR1B_RAT    | Q80wy6 | rattus norv  |
| 570 | 65.5 | 11.1 | 356  | 2 | Q96FY1_HUMAN | Q96fy1 | homo sapien  | 643 | 65   | 11.0 | 474  | 2 | Q5YLP0_RAT   | Q5ylo0 | rattus norv  |
| 571 | 65.5 | 11.1 | 363  | 2 | Q4AL35_9CHLB | Q4al35 | chlorobium   | 644 | 65   | 11.0 | 481  | 2 | Q2WV02_CLOBE | Q2wv02 | clostridium  |
| 572 | 65.5 | 11.1 | 409  | 2 | Q3TV46_MOUSE | Q3tv46 | mus musculus | 645 | 65   | 11.0 | 531  | 1 | FKLL1_MOUSE  | Q8f526 | mus musculus |
| 573 | 65.5 | 11.1 | 410  | 2 | Q171B0_AEDAE | Q171b0 | aedes aegypt | 646 | 65   | 11.0 | 647  | 2 | Q1M7N7_RHIL3 | Q1m7n7 | rhizobium l  |
| 574 | 65.5 | 11.1 | 433  | 2 | Q7ZX39_XENLA | Q7zx39 | xenopus lae  | 647 | 65   | 11.0 | 773  | 2 | Q53TL0_HUMAN | Q53tl0 | homo sapien  |
| 575 | 65.5 | 11.1 | 438  | 2 | Q6INJ1_XENLA | Q6inj1 | xenopus lae  | 648 | 65   | 11.0 | 787  | 2 | Q80V13_MOUSE | Q80v13 | mus musculus |
| 576 | 65.5 | 11.1 | 459  | 2 | Q62327_MOUSE | Q62327 | mus musculus | 649 | 65   | 11.0 | 823  | 2 | Q61GU3_CAEER | Q61gu3 | caenorhabdi  |
| 577 | 65.5 | 11.1 | 474  | 2 | Q3U2A9_MOUSE | Q3u2a9 | mus musculus | 650 | 65   | 11.0 | 1218 | 1 | JAG1_HUMAN   | P78504 | homo sapien  |
| 578 | 65.5 | 11.1 | 516  | 2 | Q6Q5B4_CAEER | Q6q5b4 | caenorhabdi  | 651 | 65   | 11.0 | 1295 | 1 | GLP1_CAEEL   | P13508 | caenorhabdi  |
| 579 | 65.5 | 11.1 | 546  | 2 | Q3UYW9_MOUSE | Q3uyw9 | mus musculus | 652 | 65   | 11.0 | 2107 | 2 | Q297B9_DROPS | Q297b9 | drosophila   |
| 580 | 65.5 | 11.1 | 569  | 2 | Q8NH04_HUMAN | Q8nh04 | homo sapien  | 653 | 65   | 11.0 | 2146 | 1 | CRB_DROME    | P10040 | drosophila   |
| 581 | 65.5 | 11.1 | 589  | 2 | Q3TW74_MOUSE | Q3tw74 | mus musculus | 654 | 65   | 11.0 | 2524 | 2 | Q9GPA5_BRAFL | Q9gpa5 | branchiosto  |
| 582 | 65.5 | 11.1 | 602  | 2 | Q3UAD3_MOUSE | Q3uad3 | mus musculus | 655 | 65   | 11.0 | 3447 | 2 | Q4DJAE_TRYCR | Q4dja6 | trypanosoma  |
| 583 | 65.5 | 11.1 | 602  | 2 | Q3UAD3_MOUSE | Q3uad3 | mus musculus | 656 | 65   | 11.0 | 3467 | 2 | Q4D2A3_TRYCR | Q4daa9 | trypanosoma  |
| 584 | 65.5 | 11.1 | 656  | 1 | MSGF6_MOUSE  | Q80v70 | mus musculus | 657 | 65   | 11.0 | 3481 | 2 | Q4DJK2_TRYCR | Q4djK2 | trypanosoma  |
| 585 | 65.5 | 11.1 | 722  | 1 | DLL1_MOUSE   | Q61483 | mus musculus | 658 | 65   | 11.0 | 3481 | 2 | Q4DNC0_TRYCR | Q4dnc0 | trypanosoma  |
| 586 | 65.5 | 11.1 | 722  | 2 | Q6PFV7_MOUSE | Q6pfv7 | mus musculus | 659 | 65   | 11.0 | 4599 | 1 | LRP1B_MOUSE  | Q9ji18 | mus musculus |
| 587 | 65.5 | 11.1 | 744  | 2 | Q8NH02_HUMAN | Q8nh02 | homo sapien  | 660 | 65   | 11.0 | 4655 | 1 | LRP2_HUMAN   | P98164 | homo sapien  |
| 588 | 65.5 | 11.1 | 768  | 2 | Q36581_9RETR | Q36581 | multiple sc  | 661 | 65   | 11.0 | 4655 | 2 | Q7Z5C0_HUMAN | Q7z5c0 | homo sapien  |
| 589 | 65.5 | 11.1 | 804  | 2 | Q3UK95_MOUSE | Q3uk95 | mus musculus | 662 | 65   | 11.0 | 4655 | 2 | Q7Z5C1_HUMAN | Q7z5c1 | homo sapien  |
| 590 | 65.5 | 11.1 | 818  | 2 | Q9CC93_MOUSE | Q8cc93 | mus musculus | 663 | 64.5 | 11.0 | 90   | 2 | Q7Z5G3_HUMAN | Q7z5g3 | homo sapien  |
| 591 | 65.5 | 11.1 | 818  | 2 | Q9DBC8_MOUSE | Q9dbc8 | mus musculus | 664 | 64.5 | 11.0 | 98   | 1 | KRA32_HUMAN  | Q9byr7 | homo sapien  |
| 592 | 65.5 | 11.1 | 826  | 2 | Q16Q60_AEDAE | Q16q60 | aedes aegypt | 665 | 64.5 | 11.0 | 102  | 1 | TXCA_CAEEX   | Q8mtx1 | caerostriis  |
| 593 | 65.5 | 11.1 | 830  | 1 | SREC_HUMAN   | Q14162 | homo sapien  | 666 | 64.5 | 11.0 | 134  | 2 | Q6ZR78_HUMAN | Q6zr78 | homo sapien  |
| 594 | 65.5 | 11.1 | 887  | 2 | Q3UWU1_MOUSE | Q3umw1 | mus musculus | 667 | 64.5 | 11.0 | 153  | 2 | Q52VJ2_CIOIN | Q52vj2 | ciona intes  |
| 595 | 65.5 | 11.1 | 1062 | 1 | ATX1_AETH    | Q9c5x4 | arabidopsis  | 668 | 64.5 | 11.0 | 170  | 2 | Q52VK0_CIOIN | Q52vk0 | ciona intes  |
| 596 | 65.5 | 11.1 | 1110 | 2 | Q614U4_CAEER | Q614u4 | caenorhabdi  | 669 | 64.5 | 11.0 | 191  | 1 | Y064_TREPA   | O83103 | treponema p  |
| 597 | 65.5 | 11.1 | 1114 | 2 | Q9JKW7_MOUSE | Q9jkw7 | mus musculus | 670 | 64.5 | 11.0 | 197  | 2 | Q8WQ21_LOCM1 | O8wq21 | locusta mig  |
| 598 | 65.5 | 11.1 | 1114 | 2 | Q3U2A7_MOUSE | Q3u2a7 | mus musculus | 671 | 64.5 | 11.0 | 245  | 2 | O6ZT26_HUMAN | O6zt26 | homo sapien  |
| 599 | 65.5 | 11.1 | 1235 | 2 | Q1Q505_HUMAN | Q6iq50 | homo sapien  | 672 | 64.5 | 11.0 | 325  | 2 | O614Z3_CAEER | O614z3 | caenorhabdi  |
| 600 | 65.5 | 11.1 | 1465 | 2 | QARN50_TETNG | Q4rn50 | tetraodon n  | 673 | 64.5 | 11.0 | 343  | 2 | Q17CU7_AEDAE | Q17cj7 | aedes aegypt |
| 601 | 65.5 | 11.1 | 2067 | 2 | Q59E88_HUMAN | Q59e88 | homo sapien  | 674 | 64.5 | 11.0 | 369  | 2 | Q83KX8_SHIFL | Q83kx8 | shigella fl  |
| 602 | 65.5 | 11.1 | 2213 | 1 | SORL_RABIT   | Q59ed8 | homo sapien  | 675 | 64.5 | 11.0 | 375  | 2 | Q7PR44_ANOGA | Q7pr44 | anopheles g  |
| 603 | 65.5 | 11.1 | 2471 | 1 | NOTC2_HUMAN  | Q95209 | o sortilin-  | 676 | 64.5 | 11.0 | 397  | 2 | Q52VK2_CIOIN | Q52vk2 | ciona intes  |
| 604 | 65.5 | 11.1 | 2471 | 2 | Q5VT00_HUMAN | Q04721 | homo sapien  | 677 | 64.5 | 11.0 | 405  | 2 | Q8BKSA_MOUSE | Q8bks4 | mus musculus |
| 605 | 65.5 | 11.1 | 2555 | 2 | Q5SXM3_HUMAN | Q5sxd3 | homo sapien  | 678 | 64.5 | 11.0 | 420  | 2 | Q3FHB1_9BURK | Q3fbb1 | burkholderi  |
| 606 | 65.5 | 11.1 | 2556 | 1 | NOTC1_HUMAN  | P45531 | homo sapien  | 679 | 64.5 | 11.0 | 450  | 2 | Q53FZ7_HUMAN | Q53fz7 | homo sapien  |
| 607 | 65.5 | 11.1 | 3718 | 1 | LAMAS_MOUSE  | Q61001 | mus musculus | 680 | 64.5 | 11.0 | 456  | 2 | Q54IG3_DICDI | Q54ig3 | dictyosteli  |
| 608 | 65.5 | 11.1 | 4532 | 2 | Q29ID0_DROPS | Q29id0 | drosophila   | 681 | 64.5 | 11.0 | 500  | 1 | LRP11_HUMAN  | O86vz4 | homo sapien  |
| 609 | 65   | 11.0 | 78   | 2 | Q9MB66_TOBAC | Q9mb66 | nicotiana t  | 682 | 64.5 | 11.0 | 626  | 2 | Q8ND91_HUMAN | Q8nd91 | homo sapien  |
| 610 | 65   | 11.0 | 90   | 2 | Q5D233_HADIN | Q5d233 | hadronyche   | 683 | 64.5 | 11.0 | 705  | 2 | Q2ILJ6_ANADE | Q2ilj6 | anaeronyxob  |
| 611 | 65   | 11.0 | 95   | 2 | Q9JN7_STRCO  | Q9jrn7 | streptomyce  | 684 | 64.5 | 11.0 | 727  | 2 | Q8R0X1_MOUSE | Q8r0x1 | mus musculus |
| 612 | 65   | 11.0 | 131  | 1 | CHHB1_BOMMO  | P05688 | bombyx mori  | 685 | 64.5 | 11.0 | 744  | 2 | Q7Q8A1_ANOGA | Q7q8a1 | anopheles g  |
| 613 | 65   | 11.0 | 147  | 2 | Q6QXV5_ORYSA | Q6qxv5 | oryza sativ  | 686 | 64.5 | 11.0 | 754  | 2 | Q1L8H4_BRARE | Q1l8h4 | brachydanio  |
| 614 | 65   | 11.0 | 181  | 2 | Q4AFA9_9CHLB | Q4afa9 | chlorobium   | 687 | 64.5 | 11.0 | 772  | 2 | Q4QBY8_LEIMA | Q4qby8 | leishmania   |
| 615 | 65   | 11.0 | 212  | 2 | Q45KX0_HUMAN | Q45kx0 | homo sapien  | 688 | 64.5 | 11.0 | 804  | 2 | Q7TPT4_MOUSE | Q7tpt4 | mus musculus |

|     |      |      |      |   |              |                     |
|-----|------|------|------|---|--------------|---------------------|
| 689 | 64.5 | 11.0 | 822  | 2 | Q62287_MOUSE | Q62287_mus musculus |
| 690 | 64.5 | 11.0 | 841  | 2 | Q4YVB8_PLABE | Q4YVB8_plasmodium   |
| 691 | 64.5 | 11.0 | 853  | 2 | Q8I719_PLAF7 | Q8I719_plasmodium   |
| 692 | 64.5 | 11.0 | 853  | 2 | Q8MM24_PLAFA | Q8MM24_plasmodium   |
| 693 | 64.5 | 11.0 | 873  | 2 | Q8QGN9_BRARE | Q8QGN9_brachydanio  |
| 694 | 64.5 | 11.0 | 969  | 2 | Q96KG6_HUMAN | Q96KG6_homo sapien  |
| 695 | 64.5 | 11.0 | 987  | 2 | Q6XLI8_CALJA | Q6XLI8_callithrix   |
| 696 | 64.5 | 11.0 | 1021 | 2 | Q3UGU1_MOUSE | Q3UGU1_mus musculus |
| 697 | 64.5 | 11.0 | 1026 | 2 | Q8SWY0_DROME | Q8SWY0_drosophila   |
| 698 | 64.5 | 11.0 | 1044 | 2 | Q17R86_HUMAN | Q17R86_homo sapien  |
| 699 | 64.5 | 11.0 | 1162 | 2 | Q2Q422_CANFA | Q2Q422_canis famill |
| 700 | 64.5 | 11.0 | 1211 | 2 | Q383K6_9TRYP | Q383K6_trypanosoma  |
| 701 | 64.5 | 11.0 | 1296 | 2 | Q6ANW6_DROME | Q6ANW6_drosophila   |
| 702 | 64.5 | 11.0 | 1308 | 2 | Q9GPM8_CAERE | Q9GPM8_caenorhabdi  |
| 703 | 64.5 | 11.0 | 1378 | 2 | Q3UHH0_MOUSE | Q3UHH0_mus musculus |
| 704 | 64.5 | 11.0 | 1378 | 2 | Q68HV2_MOUSE | Q68HV2_mus musculus |
| 705 | 64.5 | 11.0 | 1505 | 2 | Q5S3N1_SALSA | Q5S3N1_salmo salar  |
| 706 | 64.5 | 11.0 | 1557 | 2 | Q75412_HUMAN | Q75412_homo sapien  |
| 707 | 64.5 | 11.0 | 1587 | 2 | Q00508_HUMAN | Q00508_homo sapien  |
| 708 | 64.5 | 11.0 | 1624 | 2 | Q75413_HUMAN | Q75413_homo sapien  |
| 709 | 64.5 | 11.0 | 1633 | 2 | Q61G22_CAEBR | Q61G22_caenorhabdi  |
| 710 | 64.5 | 11.0 | 1737 | 2 | Q7PXF5_ANOGA | Q7PXF5_anopheles g  |
| 711 | 64.5 | 11.0 | 1790 | 1 | LAMB1_DROME  | P11046_drosophila   |
| 712 | 64.5 | 11.0 | 1793 | 2 | Q69ZV8_MOUSE | Q69ZV8_mus musculus |
| 713 | 64.5 | 11.0 | 1946 | 2 | Q4S290_TETNG | Q4S290_tetraodon n  |
| 714 | 64.5 | 11.0 | 2214 | 1 | SORL_HUMAN   | Q92673_h_sortilin-  |
| 715 | 64.5 | 11.0 | 2771 | 2 | Q9WTS7_MOUSE | Q9WTS7_mus musculus |
| 716 | 64.5 | 11.0 | 2796 | 2 | Q3UHK6_MOUSE | Q3UHK6_mus musculus |
| 717 | 64.5 | 11.0 | 2833 | 2 | Q3UHS2_MOUSE | Q3UHS2_mus musculus |
| 718 | 64.5 | 11.0 | 3664 | 2 | Q2Q1W5_BRARE | Q2Q1W5_brachydanio  |
| 719 | 64.5 | 11.0 | 3695 | 1 | LAMAS_HUMAN  | Q15230_homo sapien  |
| 720 | 64.5 | 11.0 | 3695 | 1 | Q8TDF8_HUMAN | Q8TDF8_homo sapien  |
| 721 | 64   | 10.9 | 112  | 1 | COL_PIG      | P02703_sus scrofa   |
| 722 | 64   | 10.9 | 115  | 2 | Q38C22_9TRYP | Q38C22_trypanosoma  |
| 723 | 64   | 10.9 | 116  | 2 | Q5Q981_IXOSC | Q5Q981_ixodes scap  |
| 724 | 64   | 10.9 | 117  | 2 | Q9YD41_AERPE | Q9YD41_aeropyrum p  |
| 725 | 64   | 10.9 | 130  | 1 | KRA3A_SHEEP  | P02443_ovis aries   |
| 726 | 64   | 10.9 | 146  | 1 | TXVB_TRIFL   | P67862_trimeresuru  |
| 727 | 64   | 10.9 | 148  | 2 | Q71RP9_TRIST | Q71RP9_trimeresuru  |
| 728 | 64   | 10.9 | 163  | 2 | Q4SFU4_TETNG | Q4SFU4_tetraodon n  |
| 729 | 64   | 10.9 | 178  | 1 | CHHB2_BOMMO  | P20730_bombyx mori  |
| 730 | 64   | 10.9 | 199  | 2 | Q9H557_HUMAN | Q9H557_homo sapien  |
| 731 | 64   | 10.9 | 217  | 2 | Q7A9R9_ECO57 | Q7A9R9_escherichia  |
| 732 | 64   | 10.9 | 217  | 2 | Q85613_ECOLI | Q85613_escherichia  |
| 733 | 64   | 10.9 | 225  | 2 | Q8XCA3_ECO57 | Q8XCA3_escherichia  |
| 734 | 64   | 10.9 | 285  | 2 | Q868R9_ANOGA | Q868R9_anopheles g  |
| 735 | 64   | 10.9 | 285  | 2 | Q5CAG9_ORYSA | Q5CAG9_oryza sativ  |
| 736 | 64   | 10.9 | 309  | 2 | Q74ZS4_ASHGO | Q74ZS4_aahbva goas  |
| 737 | 64   | 10.9 | 315  | 2 | Q616A1_CAEBR | Q616A1_caenorhabdi  |
| 738 | 64   | 10.9 | 322  | 2 | Q65113_ORYSA | Q65113_oryza sativ  |
| 739 | 64   | 10.9 | 325  | 1 | V72_SFVKA    | P25943_rabbit fibr  |
| 740 | 64   | 10.9 | 325  | 2 | Q77PB3_POXV  | Q77PB3_myxococcus   |
| 741 | 64   | 10.9 | 363  | 2 | Q1CYN7_WYXXA | Q1CYN7_lactobacill  |
| 742 | 64   | 10.9 | 368  | 2 | Q2BRZ1_LACRE | Q2BRZ1_lactobacill  |
| 743 | 64   | 10.9 | 370  | 2 | Q6DSV5_ERWCT | Q6DSV5_erwinia car  |
| 744 | 64   | 10.9 | 389  | 2 | Q8R226_MOUSE | Q8R226_mus musculus |
| 745 | 64   | 10.9 | 425  | 1 | TNR16_RAT    | P07174_rattus norv  |
| 746 | 64   | 10.9 | 426  | 2 | Q8LAF6_ARATH | Q8LAF6_arabidopsis  |
| 747 | 64   | 10.9 | 426  | 2 | Q33X55_ARATH | Q33X55_arabidopsis  |
| 748 | 64   | 10.9 | 475  | 1 | U3IP2_HUMAN  | Q43818_homo sapien  |
| 749 | 64   | 10.9 | 479  | 2 | Q3G7J0_9DELT | Q3G7J0_pelobacter   |
| 750 | 64   | 10.9 | 578  | 1 | TRBM_CANFA   | Q5W7P8_canis famill |
| 751 | 64   | 10.9 | 581  | 2 | Q5LU50_SILPO | Q5LU50_silicibacte  |
| 752 | 64   | 10.9 | 587  | 1 | UI84_HCMVT   | P29839_human cytom  |
| 753 | 64   | 10.9 | 588  | 2 | Q43FM5_9CHLB | Q43FM5_chlorobium   |
| 754 | 64   | 10.9 | 590  | 2 | Q8C088_MOUSE | Q8C088_mus musculus |
| 755 | 64   | 10.9 | 657  | 2 | Q4PIC7_USTMA | Q4PIC7_ustilago ma  |
| 756 | 64   | 10.9 | 682  | 2 | Q3A3T0_PELCD | Q3A3T0_pelobacter   |
| 757 | 64   | 10.9 | 687  | 2 | Q1AWM1_9ACTN | Q1AWM1_rubrobacter  |
| 758 | 64   | 10.9 | 723  | 2 | Q9QWL5_9MURI | Q9QWL5_rattus sp.   |
| 759 | 64   | 10.9 | 737  | 2 | Q8JZM4_MOUSE | Q8JZM4_mus musculus |
| 760 | 64   | 10.9 | 737  | 2 | Q8VD97_MOUSE | Q8VD97_mus musculus |
| 761 | 64   | 10.9 | 739  | 2 | Q17AY8_AEDAE | Q17AY8_aedes aegypt |

|                    |   |      |      |      |     |                     |
|--------------------|---|------|------|------|-----|---------------------|
| Q4T849_TETNG       | 2 | 983  | 10.9 | 64   | 762 | Q62287_mus musculus |
| Q6BTQ2_DEBHA       | 2 | 990  | 10.9 | 64   | 763 | Q4YVB8_plasmodium   |
| Q75WG1_PENJP       | 2 | 1032 | 10.9 | 64   | 764 | Q8I719_plasmodium   |
| Q3UV32_MOUSE       | 2 | 1037 | 10.9 | 64   | 765 | Q8MM24_plasmodium   |
| Q75WG2_PENJP       | 2 | 1114 | 10.9 | 64   | 766 | Q8QGN9_brachydanio  |
| Q21010_CAEBL       | 2 | 1143 | 10.9 | 64   | 767 | Q96KG6_homo sapien  |
| Q21010_HUMAN       | 1 | 1144 | 10.9 | 64   | 768 | Q6XLI8_callithrix   |
| MA2A1_MOUSE        | 2 | 1145 | 10.9 | 64   | 769 | Q3UGU1_mus musculus |
| Q2PJ74_CAEBL       | 2 | 1180 | 10.9 | 64   | 770 | Q8SWY0_drosophila   |
| Q3BPI5_XANGS       | 2 | 1180 | 10.9 | 64   | 771 | Q17R86_homo sapien  |
| Q4RQ03_TETNG       | 2 | 1364 | 10.9 | 64   | 772 | Q2Q422_canis famill |
| Q4DUD8_TRYCR       | 2 | 1437 | 10.9 | 64   | 773 | Q383K6_trypanosoma  |
| Q9DE37_BRARE       | 2 | 1515 | 10.9 | 64   | 774 | Q6ANW6_drosophila   |
| Q2YI44_BLAGL       | 2 | 1818 | 10.9 | 64   | 775 | Q9GPM8_caenorhabdi  |
| Q2WBY6_PLADU       | 2 | 2030 | 10.9 | 64   | 776 | Q3UHH0_mus musculus |
| Q804R1_BRARE       | 2 | 2192 | 10.9 | 64   | 777 | Q68HV2_mus musculus |
| SORL_MOUSE         | 2 | 2215 | 10.9 | 64   | 778 | Q5S3N1_salmo salar  |
| Q3UHM3_MOUSE       | 2 | 2215 | 10.9 | 64   | 779 | Q75412_homo sapien  |
| Q61211_CAEBR       | 2 | 2523 | 10.9 | 64   | 780 | Q00508_homo sapien  |
| Q629H6_CAEBR       | 2 | 2532 | 10.9 | 64   | 781 | Q75413_homo sapien  |
| Q16TK9_AEDAE       | 2 | 2599 | 10.9 | 64   | 782 | Q61G22_caenorhabdi  |
| Q7PSV8_ANOGA       | 2 | 2602 | 10.9 | 64   | 783 | Q7PXF5_anopheles g  |
| Q9W7R3_BRARE       | 2 | 2824 | 10.9 | 64   | 784 | P11046_drosophila   |
| Q4RU98_TETNG       | 2 | 3019 | 10.9 | 64   | 785 | Q69ZV8_mus musculus |
| Q61FT2_CAEBR       | 2 | 3235 | 10.9 | 64   | 786 | Q4S290_tetraodon n  |
| Q4D378_TRYCR       | 2 | 3487 | 10.9 | 64   | 787 | Q92673_h_sortilin-  |
| Q291E2_DROPS       | 2 | 4181 | 10.9 | 64   | 788 | Q9WTS7_mus musculus |
| Q9YZX8_9FLAV       | 2 | 4181 | 10.8 | 63.5 | 789 | Q3UHK6_mus musculus |
| Q353G9_9GAMM       | 2 | 147  | 10.8 | 63.5 | 790 | Q3UHS2_mus musculus |
| Q21VF9_RHOP2       | 2 | 156  | 10.8 | 63.5 | 791 | Q2Q1W5_brachydanio  |
| Q6N0U5_RHOP2       | 2 | 156  | 10.8 | 63.5 | 792 | Q15230_homo sapien  |
| Q5LKG8_SILPO       | 2 | 159  | 10.8 | 63.5 | 793 | Q8TDF8_homo sapien  |
| Q8T229_TRYCR       | 2 | 168  | 10.8 | 63.5 | 794 | P02703_sus scrofa   |
| Q2HJ79_9MYRI       | 2 | 208  | 10.8 | 63.5 | 795 | Q38C22_trypanosoma  |
| Q851F4_ORYSA       | 2 | 215  | 10.8 | 63.5 | 796 | Q5Q981_ixodes scap  |
| Q626R3_CAEBR       | 2 | 225  | 10.8 | 63.5 | 797 | Q9YD41_aeropyrum p  |
| KCP3_RAT           | 2 | 240  | 10.8 | 63.5 | 798 | P02443_ovis aries   |
| Q39TH1_GEOMG       | 2 | 261  | 10.8 | 63.5 | 799 | P67862_trimeresuru  |
| Q4TT93_CAEBL       | 2 | 286  | 10.8 | 63.5 | 800 | Q71RP9_trimeresuru  |
| Q4RKB9_TETNG       | 2 | 300  | 10.8 | 63.5 | 801 | Q4SFU4_tetraodon n  |
| Q28KF2_JANSC       | 2 | 349  | 10.8 | 63.5 | 802 | P20730_bombyx mori  |
| Q54KB3_DICDI       | 2 | 358  | 10.8 | 63.5 | 803 | Q9H557_homo sapien  |
| Q86AK7_DICDI       | 2 | 360  | 10.8 | 63.5 | 804 | Q7A9R9_escherichia  |
| Q556S1_DICDI       | 2 | 360  | 10.8 | 63.5 | 805 | Q85613_escherichia  |
| Q7Y1J2_ORYSA       | 2 | 372  | 10.8 | 63.5 | 806 | Q8XCA3_escherichia  |
| Q61ES5_ORYSA       | 2 | 380  | 10.8 | 63.5 | 807 | Q868R9_anopheles g  |
| Q70534_RAT         | 2 | 383  | 10.8 | 63.5 | 808 | Q5CAG9_oryza sativ  |
| Q62779_RAT         | 2 | 383  | 10.8 | 63.5 | 809 | Q74ZS4_aahbva goas  |
| Q3K7E8_PSEPF       | 2 | 407  | 10.8 | 63.5 | 810 | Q616A1_caenorhabdi  |
| Q56BV3 ENTEROBACTE | 2 | 507  | 10.8 | 63.5 | 811 | Q65113_oryza sativ  |
| Q39NY6_BURSD       | 2 | 521  | 10.8 | 63.5 | 812 | P25943_rabbit fibr  |
| Q3RG03_BRARE       | 2 | 536  | 10.8 | 63.5 | 813 | Q77PB3_rabbit fibr  |
| Q17H65_AEDAE       | 2 | 542  | 10.8 | 63.5 | 814 | Q1CYN7_myxococcus   |
| Q10709_9FLAV       | 2 | 562  | 10.8 | 63.5 | 815 | Q2BRZ1_lactobacill  |
| Q26630_METHH       | 2 | 721  | 10.8 | 63.5 | 816 | Q6DSV5_erwinia car  |
| Q91902_XENLA       | 2 | 721  | 10.8 | 63.5 | 817 | Q8R226_mus musculus |
| Q4DFR4_TRYCR       | 2 | 747  | 10.8 | 63.5 | 818 | P07174_rattus norv  |
| Q8VHF4_MOUSE       | 2 | 747  | 10.8 | 63.5 | 819 | Q8LAF6_arabidopsis  |
| Q9DGR2_XENLA       | 2 | 767  | 10.8 | 63.5 | 820 | Q33X55_ARATH        |
| Q91BG4_XENLA       | 2 | 778  | 10.8 | 63.5 | 821 | U3IP2_HUMAN         |
| Q8JVB9_9VIRU       | 2 | 847  | 10.8 | 63.5 | 822 | Q3G7J0_PELCD        |
| Q626H3_CAEBR       | 2 | 871  | 10.8 | 63.5 | 823 | Q5W7P8_canis famill |
| Q3URX7_MOUSE       | 2 | 898  | 10.8 | 63.5 | 824 | Q5LU50_silicibacte  |
| Q18460_CAENORHABDI | 2 | 905  | 10.8 | 63.5 | 825 | P29839_human cytom  |
| Q7SEF5_NEUCR       | 2 | 909  | 10.8 | 63.5 | 826 | Q43FM5_chlorobium   |
| Q4S2B5_TETNG       | 2 | 949  | 10.8 | 63.5 | 827 | Q8C088_MOUSE        |
| Q8CGA7_MOUSE       | 2 | 1004 | 10.8 | 63.5 | 828 | Q4PIC7_USTMA        |
| Q8VHL7_MOUSE       | 2 | 1034 | 10.8 | 63.5 | 829 | Q3A3T0_PELCD        |
| Q8V1K5_MOUSE       | 2 | 1034 | 10.8 | 63.5 | 830 | Q1AWM1_9ACTN        |
| Q23JW8_TETTH       | 2 | 1054 | 10.8 | 63.5 | 831 | Q9QWL5_9MURI        |
| Q24DM6_TETTH       | 2 | 1102 | 10.8 | 63.5 | 832 | Q8JZM4_MOUSE        |
| Q22QK0_TETTH       | 2 | 1398 | 10.8 | 63.5 | 833 | Q8VD97_MOUSE        |
| Q5BG13_EMENI       | 2 | 1687 | 10.8 | 63.5 | 834 | Q17AY8_aedes aegypt |
| Q5BG13_EMENI       | 2 | 1776 | 10.8 | 63.5 |     |                     |

|              |   |      |      |    |     |                     |
|--------------|---|------|------|----|-----|---------------------|
| Q4T849_TETNG | 2 | 983  | 10.9 | 64 | 762 | Q62287_mus musculus |
| Q6BTQ2_DEBHA | 2 | 990  | 10.9 | 64 | 763 | Q4YVB8_plasmodium   |
| Q75WG1_PENJP | 2 | 1032 | 10.9 | 64 | 764 | Q8I719_plasmodium   |
| Q3UV32_MOUSE | 2 | 1037 | 10.9 | 64 | 765 | Q8MM24_plasmodium   |
| Q75WG2_PENJP | 2 | 1114 | 10.9 | 64 | 766 | Q8QGN9_brachydanio  |
| Q21010_CAEBL | 2 | 1143 | 10.9 | 64 | 767 | Q96KG6_homo sapien  |
| Q21010_HUMAN | 1 | 1144 | 10.9 | 64 | 768 | Q6XLI8_callithrix   |
| MA2A1_MOUSE  | 2 | 1145 | 10.9 | 64 | 769 | Q3UGU1_mus musculus |
| Q2PJ74_CAEBL | 2 | 1180 | 10.9 | 64 | 770 | Q8SWY0_drosophila   |
| Q3BPI5_XANGS | 2 | 1180 | 10.9 | 64 | 771 | Q17R86_homo sapien  |
| Q4RQ03_TETNG | 2 | 1364 | 10.9 | 64 | 772 | Q2Q422_canis famill |
| Q4DUD8_TRYCR | 2 | 1437 | 10.9 | 64 | 773 | Q383K6_trypanosoma  |
| Q9DE37_BRARE | 2 | 1515 | 10.9 | 64 | 774 | Q6ANW6_drosophila   |
| Q2YI44_BLAGL | 2 | 1818 | 10.9 | 64 | 775 | Q9GPM8_caenorhabdi  |
| Q2WBY6_PLADU | 2 | 2030 | 10.9 | 64 | 776 | Q3UHH0_mus musculus |
| Q804R1_BRARE | 2 | 2192 | 10.9 | 64 | 777 | Q68HV2_mus musculus |
| SORL_MOUSE   | 2 | 2215 | 10.9 | 64 | 778 | Q5S3N1_salmo salar  |
| Q3UHM3_MOUSE | 2 | 2215 | 10.9 | 64 | 779 | Q75412_homo sapien  |
| Q61211_CAEBR | 2 | 2523 | 10.9 | 64 | 780 | Q00508_homo sapien  |
| Q629H6_CAEBR | 2 | 2532 | 10.9 | 64 | 781 | Q75413_homo sapien  |
| Q16TK9_AEDAE | 2 | 2599 | 10.9 | 64 | 782 | Q61G22_caenorhabdi  |
| Q7PSV8_ANOGA | 2 | 2602 | 10.9 | 64 | 783 | Q7PXF5_anopheles g  |
| Q9W7R3_BRARE | 2 | 2824 | 10.9 | 64 | 784 | P11046_dros         |

|     |      |      |      |   |              |                     |     |      |      |      |   |               |                     |
|-----|------|------|------|---|--------------|---------------------|-----|------|------|------|---|---------------|---------------------|
| 835 | 63.5 | 10.8 | 1935 | 2 | Q6QHS1_LVTVA | Q6che3 lytechinus   | 908 | 63   | 10.7 | 1367 | 2 | Q61QY1_CAEBR  | Q61qy1 caenorhabdi  |
| 836 | 63.5 | 10.8 | 2019 | 2 | Q68F80_MOUSE | Q68fe0 mus musculus | 909 | 63   | 10.7 | 1418 | 2 | Q4CR51_TRYCR  | Q4cr51 trypanosoma  |
| 837 | 63.5 | 10.8 | 2030 | 2 | Q4RH2_TETNG  | Q4rh2 tetraodon n   | 910 | 63   | 10.7 | 1441 | 2 | Q867Q2_CAEBR  | Q867q2 caenorhabdi  |
| 838 | 63.5 | 10.8 | 2672 | 2 | Q3UH3_MOUSE  | Q3uhh3 m 14 days p  | 911 | 63   | 10.7 | 1553 | 2 | Q29G18_DROPS  | Q29g18 drosophila   |
| 839 | 63.5 | 10.8 | 2842 | 2 | Q56I18_9FLAV | Q56ih8 gb virus c   | 912 | 63   | 10.7 | 1897 | 2 | Q29H17_DROPS  | Q29h17 drosophila   |
| 840 | 63.5 | 10.8 | 3004 | 2 | Q24550_DROME | Q24550 drosophila   | 913 | 63   | 10.7 | 2433 | 2 | Q24F98_TETTH  | Q24f98 tetrahymena  |
| 841 | 63.5 | 10.8 | 3004 | 2 | Q9VY8_DROME  | Q9vyn8 drosophila   | 914 | 63   | 10.7 | 2468 | 2 | Q800E4_BRARE  | Q800e4 brachydanio  |
| 842 | 63.5 | 10.8 | 3145 | 2 | Q22M95_TETTH | Q22m95 tetrahymena  | 915 | 63   | 10.7 | 2528 | 2 | Q8AXP0_CYNPY  | Q8axp0 cynops pyrr  |
| 843 | 63.5 | 10.8 | 3689 | 2 | Q7PFP9_ANGOA | Q7pfi9 anopheles g  | 916 | 63   | 10.7 | 2660 | 2 | Q7QL19_ANGOA  | Q7ql19 anopheles g  |
| 844 | 63.5 | 10.8 | 3707 | 1 | PGBM_MOUSE   | Q05793 mus musculus | 917 | 63   | 10.7 | 3301 | 1 | CELR3_MOUSE   | Q912i0 mus musculus |
| 845 | 63.5 | 10.8 | 4260 | 2 | Q4T3T2_TETNG | Q4t3t2 tetraodon n  | 918 | 63   | 10.7 | 3444 | 2 | Q4E1B3_TRYCR  | Q4e1b3 trypanosoma  |
| 846 | 63.5 | 10.8 | 4981 | 2 | Q2PZL6_MOUSE | Q2pzl6 mus musculus | 919 | 63   | 10.7 | 3445 | 2 | Q4DYC9_TRYCR  | Q4dyc9 trypanosoma  |
| 847 | 63.5 | 10.8 | 5376 | 1 | ZAN_MOUSE    | Q88799 mus musculus | 920 | 63   | 10.7 | 3456 | 2 | Q4DJN1_TRYCR  | Q4djn1 trypanosoma  |
| 848 | 63   | 10.7 | 65   | 2 | Q4GW4_CRAGI  | Q4gww4 crassostrea  | 921 | 63   | 10.7 | 3474 | 2 | Q4D523_TRYCR  | Q4d523 trypanosoma  |
| 849 | 63   | 10.7 | 92   | 2 | Q2MCN6_HYDAT | Q2mcn6 hydra atten  | 922 | 63   | 10.7 | 3483 | 2 | Q4DTL6_TRYCR  | Q4dtl6 trypanosoma  |
| 850 | 63   | 10.7 | 93   | 2 | Q7J3J8_HYDMA | Q7j3j8 hydra magni  | 923 | 63   | 10.7 | 5141 | 1 | SSFO_RAT      | Q700k0 rattus norv  |
| 851 | 63   | 10.7 | 94   | 2 | Q7S150_ORYSA | Q7s150 oryza sativ  | 924 | 62.5 | 10.6 | 128  | 2 | Q6ZWD3_HUMAN  | Q6zwd3 homo sapien  |
| 852 | 63   | 10.7 | 128  | 2 | Q52VH7_CIOIN | Q52vh7 ciona intes  | 925 | 62.5 | 10.6 | 131  | 2 | Q9Y2V2_9FLAV  | Q9y2v2 gb virus c   |
| 853 | 63   | 10.7 | 148  | 2 | Q71RP8_TRIST | Q71rp8 trimeresuru  | 926 | 62.5 | 10.6 | 135  | 2 | Q3YUP8_9FLAV  | Q3yup8 gb virus c   |
| 854 | 63   | 10.7 | 173  | 2 | Q3RJ35_STRCO | Q9rj35 streptomyce  | 927 | 62.5 | 10.6 | 145  | 2 | Q39219_9FLAV  | Q39219 gb virus c   |
| 855 | 63   | 10.7 | 204  | 1 | TNR26_MOUSE  | P83626 mus musculus | 928 | 62.5 | 10.6 | 153  | 2 | Q11434_9ADEN  | Q11434 duck adenov  |
| 856 | 63   | 10.7 | 204  | 2 | Q3U3N2_MOUSE | Q3u3n2 mus musculus | 929 | 62.5 | 10.6 | 157  | 2 | Q5ISQ5_MACFA  | Q5isq5 macaca fasc  |
| 857 | 63   | 10.7 | 215  | 2 | Q80W51_MOUSE | Q80w51 mus musculus | 930 | 62.5 | 10.6 | 158  | 1 | KAB3_OLDAP    | P58455 oldenlandia  |
| 858 | 63   | 10.7 | 289  | 2 | Q1PE28_HYDSY | Q1pf28 hydractinia  | 931 | 62.5 | 10.6 | 159  | 2 | Q7XZ75_GRIJA  | Q7xz75 griffithsia  |
| 859 | 63   | 10.7 | 300  | 2 | Q84BD4_WYXXA | Q84bd4 myxococcus   | 932 | 62.5 | 10.6 | 166  | 2 | Q4CYN2_TRYCR  | Q4cyn2 trypanosoma  |
| 860 | 63   | 10.7 | 319  | 2 | Q4T826_TETNG | Q4t826 tetraodon n  | 933 | 62.5 | 10.6 | 169  | 2 | Q3TRB8_MOUSE  | Q3trb8 m adult mal  |
| 861 | 63   | 10.7 | 322  | 2 | Q1D2V4_MYXXA | Q1d2v4 myxococcus   | 934 | 62.5 | 10.6 | 170  | 2 | Q52VJ5_CIOIN  | Q52vj5 ciona intes  |
| 862 | 63   | 10.7 | 349  | 1 | XRCC3_MOUSE  | Q9cxe6 mus musculus | 935 | 62.5 | 10.6 | 173  | 2 | Q3ZLCO_OREMO  | Q3zlc0 oreochromis  |
| 863 | 63   | 10.7 | 350  | 2 | Q14189_SCHPO | Q14189 schizosacch  | 936 | 62.5 | 10.6 | 208  | 2 | Q4DLA7_TRYCR  | Q4dl7 trypanosoma   |
| 864 | 63   | 10.7 | 351  | 2 | Q37HL4_RHOPA | Q37hl4 rhodopsendo  | 937 | 62.5 | 10.6 | 220  | 2 | Q63404_RAT    | Q63404 rattus norv  |
| 865 | 63   | 10.7 | 368  | 2 | Q86IM1_DICDI | Q86im1 dictyosteli  | 938 | 62.5 | 10.6 | 227  | 2 | Q7YIM8_9SMEG  | Q7yim8 hyporhamphu  |
| 866 | 63   | 10.7 | 369  | 1 | YDH1_ECOLI   | P77570 escherichia  | 939 | 62.5 | 10.6 | 237  | 2 | Q3I1U3_MACNE  | Q3i1u3 macaca neme  |
| 867 | 63   | 10.7 | 369  | 2 | Q32126_SHISS | Q3z126 shigella so  | 940 | 62.5 | 10.6 | 237  | 2 | Q1VXN0_9FLAO  | Q1vxn0 psychroflox  |
| 868 | 63   | 10.7 | 369  | 2 | Q32FD3_SHIDS | Q32fd3 shigella dy  | 941 | 62.5 | 10.6 | 286  | 2 | Q6IKY7_DROME  | Q6iky7 drosophila   |
| 869 | 63   | 10.7 | 369  | 2 | Q32027_SHIBS | Q32027 shigella bo  | 942 | 62.5 | 10.6 | 288  | 2 | Q3XYT5_TOXCA  | Q3xyt5 toxocara ca  |
| 870 | 63   | 10.7 | 369  | 2 | Q8X644_ECO57 | Q8x644 escherichia  | 943 | 62.5 | 10.6 | 298  | 2 | Q4CR12_TRYCR  | Q4cr12 trypanosoma  |
| 871 | 63   | 10.7 | 369  | 2 | Q8FH85_ECOL6 | Q8fh85 escherichia  | 944 | 62.5 | 10.6 | 308  | 2 | Q46370_BOVIN  | Q46370 bos taurus   |
| 872 | 63   | 10.7 | 394  | 2 | Q3NGP9_POLPA | Q9ngp9 polysphondy  | 945 | 62.5 | 10.6 | 350  | 2 | Q20CF4_PETMA  | Q20cf4 petromyzon   |
| 873 | 63   | 10.7 | 395  | 2 | Q55923_DICDI | Q55923 dictyosteli  | 946 | 62.5 | 10.6 | 352  | 2 | Q3MZIO_9DELT  | Q3mzi0 syntrophoba  |
| 874 | 63   | 10.7 | 421  | 2 | Q9DEV1_CYPCA | Q9dev1 cyprinus ca  | 947 | 62.5 | 10.6 | 360  | 2 | Q8VOT4_ANASP  | Q8vot4 anabaena sp  |
| 875 | 63   | 10.7 | 450  | 2 | Q869J7_9MYRI | Q869j7 glomeris ma  | 948 | 62.5 | 10.6 | 360  | 2 | Q3MCS3_ANAVT  | Q3mcs3 anabaena va  |
| 876 | 63   | 10.7 | 456  | 2 | Q3WTR3_9RHIZ | Q3wtr3 mesorhizobi  | 949 | 62.5 | 10.6 | 378  | 2 | Q5I0R0_XENTR  | Q5i0r0 xenopus tro  |
| 877 | 63   | 10.7 | 469  | 2 | Q52V41_CIOIN | Q52v41 ciona intes  | 950 | 62.5 | 10.6 | 398  | 2 | Q52VK3_CIOIN  | Q52vk3 ciona intes  |
| 878 | 63   | 10.7 | 528  | 2 | Q9CXD8_MOUSE | Q9cx8 mus musculus  | 951 | 62.5 | 10.6 | 424  | 2 | Q4SL08_TETNG  | Q4sl08 tetraodon n  |
| 879 | 63   | 10.7 | 583  | 2 | Q3TSU5_MOUSE | Q3tsu5 mus musculus | 952 | 62.5 | 10.6 | 430  | 2 | Q62229_CAEBR  | Q62229 caenorhabdi  |
| 880 | 63   | 10.7 | 585  | 2 | Q17EL8_AEDAE | Q17el8 aedes aegypt | 953 | 62.5 | 10.6 | 458  | 2 | Q1S159_MEDTR  | Q1s159 medicago tr  |
| 881 | 63   | 10.7 | 601  | 2 | Q52KT2_XENLA | Q52kt2 xenopus lae  | 954 | 62.5 | 10.6 | 484  | 2 | Q3I1U4_MACMU  | Q3i1u4 macaca mula  |
| 882 | 63   | 10.7 | 608  | 2 | Q8S1M4_ORYSA | Q8s1m4 oryza sativ  | 955 | 62.5 | 10.6 | 494  | 2 | Q1FJN7_9CLOT  | Q1fjn7 clostridium  |
| 883 | 63   | 10.7 | 648  | 2 | Q9VJU4_DROME | Q9vj4 drosophila    | 956 | 62.5 | 10.6 | 544  | 2 | Q5BW73_SCHJA  | Q5bw73 schistosoma  |
| 884 | 63   | 10.7 | 669  | 2 | Q4V526_DROME | Q4v526 drosophila   | 957 | 62.5 | 10.6 | 558  | 2 | Q2HCHO_CHAGB  | Q2hcho chaetomium   |
| 885 | 63   | 10.7 | 694  | 2 | Q53QB9_ORYSA | Q53qb9 oryza sativ  | 958 | 62.5 | 10.6 | 567  | 2 | Q8WUL3_HUMAN  | Q8wul3 homo sapien  |
| 886 | 63   | 10.7 | 701  | 2 | Q86BL2_DROME | Q86bl2 drosophila   | 959 | 62.5 | 10.6 | 567  | 2 | Q3G137_9DELT  | Q3g137 pelobacter   |
| 887 | 63   | 10.7 | 712  | 2 | Q50JF9_CAEEL | Q50jf9 caenorhabdi  | 960 | 62.5 | 10.6 | 607  | 2 | Q1KXY5_MYXGL  | Q1kxy5 myxine glut  |
| 888 | 63   | 10.7 | 735  | 1 | ADAM2_MACFA  | Q28478 macaca fasc  | 961 | 62.5 | 10.6 | 645  | 2 | Q02261_CABEL  | Q02261 caenorhabdi  |
| 889 | 63   | 10.7 | 735  | 2 | Q4R6R6_MACFA | Q4r6r6 macaca fasc  | 962 | 62.5 | 10.6 | 665  | 2 | Q1PHR4_SACKO  | Q1phr4 saccolossu   |
| 890 | 63   | 10.7 | 740  | 2 | Q528V2_ORYSA | Q528v2 oryza sativ  | 963 | 62.5 | 10.6 | 668  | 2 | Q4S8K6_TETNG  | Q4s8k6 tetraodon n  |
| 891 | 63   | 10.7 | 780  | 2 | Q3U2X9_MOUSE | Q3u2x9 mus musculus | 964 | 62.5 | 10.6 | 705  | 1 | FBLN1_MOUSE   | Q08879 mus musculus |
| 892 | 63   | 10.7 | 782  | 2 | Q3MU23_MOUSE | Q3mu23 mus musculus | 965 | 62.5 | 10.6 | 705  | 2 | Q3TWK8_MOUSE  | Q3twk8 mus musculus |
| 893 | 63   | 10.7 | 827  | 2 | Q3BRK3_MOUSE | Q3brk3 mus musculus | 966 | 62.5 | 10.6 | 812  | 2 | Q77779_BOVIN  | Q77779 bos taurus   |
| 894 | 63   | 10.7 | 909  | 2 | Q6D1G4_XENTR | Q6dig4 xenopus tro  | 967 | 62.5 | 10.6 | 840  | 1 | CADHF_XENLA   | Q6y857 morone amer  |
| 895 | 63   | 10.7 | 917  | 1 | LRP8_CHICK   | Q98931 gallus gall  | 968 | 62.5 | 10.6 | 880  | 2 | Q2HCH0_CHAGB  | P33148 xenopus lae  |
| 896 | 63   | 10.7 | 949  | 1 | PCDAB_HUMAN  | Q9y5i1 homo sapien  | 969 | 62.5 | 10.6 | 907  | 2 | Q9XTS9_CABEL  | Q9xts9 caenorhabdi  |
| 897 | 63   | 10.7 | 987  | 2 | Q616G9_CAEBR | Q616g9 caenorhabdi  | 970 | 62.5 | 10.6 | 919  | 2 | Q298E4_DROPS  | Q298e4 drosophila   |
| 898 | 63   | 10.7 | 1037 | 2 | Q5VY43_HUMAN | Q5vy43 homo sapien  | 971 | 62.5 | 10.6 | 919  | 2 | Q28659_RABIT  | Q28659 cryptotagius |
| 899 | 63   | 10.7 | 1107 | 2 | Q4S977_TETNG | Q4s977 tetraodon n  | 972 | 62.5 | 10.6 | 925  | 2 | Q9UB95_CABEL  | Q9ub95 caenorhabdi  |
| 900 | 63   | 10.7 | 1139 | 1 | MA2A2_HUMAN  | P49671 homo sapien  | 973 | 62.5 | 10.6 | 976  | 2 | Q90ZN9_BRARE  | Q90zn9 brachydanio  |
| 901 | 63   | 10.7 | 1150 | 2 | Q6GQ11_XENLA | Q6gq11 xenopus lae  | 974 | 62.5 | 10.6 | 1031 | 2 | Q42124_CHICK  | Q42124 gallus gall  |
| 902 | 63   | 10.7 | 1152 | 2 | Q197W7_MOUSE | Q197w7 mus musculus | 975 | 62.5 | 10.6 | 1159 | 2 | Q410Z0_GIBBEZ | Q410z0 gibberella   |
| 903 | 63   | 10.7 | 1152 | 2 | Q4S7D3_TETNG | Q4s7d3 tetraodon n  | 976 | 62.5 | 10.6 | 1245 | 2 | Q9Y7V5_TRIHA  | Q9y7v5 trichoderma  |
| 904 | 63   | 10.7 | 1249 | 2 | Q8VI66_RAT   | Q8vi66 rattus norv  | 977 | 62.5 | 10.6 | 1280 | 2 | Q60YE8_CAEBR  | Q60ye8 caenorhabdi  |
| 905 | 63   | 10.7 | 1278 | 2 | Q9U350_CABEL | Q9u350 caenorhabdi  | 978 | 62.5 | 10.6 | 1473 | 2 | Q28WZ1_DROPS  | Q28wz1 drosophila   |
| 906 | 63   | 10.7 | 1280 | 2 | Q6QHS1_LVTVA | Q6qhs1 lytechinus   | 979 | 62.5 | 10.6 | 1514 | 2 | Q29BH5_DROPS  | Q29bh5 drosophila   |
| 907 | 63   | 10.7 | 1356 | 1 | SPIKE_CVHNL  | Q6qls2 human coron  | 980 | 62.5 | 10.6 | 2223 | 2 | Q61T23_CAEBR  | Q61t23 caenorhabdi  |

|      |      |      |      |   |              |        |              |      |      |      |      |   |              |        |              |
|------|------|------|------|---|--------------|--------|--------------|------|------|------|------|---|--------------|--------|--------------|
| 981  | 62.5 | 10.6 | 2448 | 2 | Q8WQ05_HUMAN | Q8WQ05 | homo sapien  | 1054 | 62   | 10.5 | 1403 | 2 | Q70E20_MOUSE | Q70E20 | mus musculus |
| 982  | 62.5 | 10.6 | 2525 | 2 | Q4QHT5_LEIMA | Q4QHT5 | leishmania   | 1055 | 62   | 10.5 | 1443 | 2 | Q4CNL9_TRYCR | Q4CNL9 | trypanosoma  |
| 983  | 62.5 | 10.6 | 2549 | 2 | Q2L697_CIOIN | Q2L697 | ciona intes  | 1056 | 62   | 10.5 | 1521 | 2 | Q4CTB2_TRYCR | Q4CTB2 | trypanosoma  |
| 984  | 62.5 | 10.6 | 2571 | 1 | STAB1_MOUSE  | STAB1  | mus musculus | 1057 | 62   | 10.5 | 1523 | 1 | SLIT3_RAT    | SLIT3  | rattus norv  |
| 985  | 62.5 | 10.6 | 2632 | 2 | Q16UT3_ABDAB | Q16UT3 | aedes aegypt | 1058 | 62   | 10.5 | 1562 | 2 | Q4CNY4_TRYCR | Q4CNY4 | trypanosoma  |
| 986  | 62.5 | 10.6 | 2843 | 2 | Q96899_9FLAV | Q96899 | gb virus c.  | 1059 | 62   | 10.5 | 1595 | 2 | Q1EHB3_RAT   | Q1EHB3 | rattus norv  |
| 987  | 62.5 | 10.6 | 3623 | 1 | CUBN_MOUSE   | Q9J1B4 | mus musculus | 1060 | 62   | 10.5 | 1599 | 2 | Q09983_CAEEL | Q09983 | caenorhabdi  |
| 988  | 62.5 | 10.6 | 4135 | 2 | O18977_BOVIN | O18977 | bos taurus   | 1061 | 62   | 10.5 | 1629 | 2 | Q118K6_BRABR | Q118K6 | brachydanio  |
| 989  | 62   | 10.5 | 92   | 1 | LCM_LOGMI    | P80060 | locusta mig  | 1062 | 62   | 10.5 | 1679 | 2 | Q51DQ1_ENTHI | Q51DQ1 | entamoeba h  |
| 990  | 62   | 10.5 | 100  | 1 | VP52_BPAPS   | Q9T1P6 | bacterioph   | 1063 | 62   | 10.5 | 1770 | 2 | Q22PS4_TETH  | Q22PS4 | tetrahymena  |
| 991  | 62   | 10.5 | 100  | 1 | Q3LZQ0_9CAUD | Q9T1P6 | bacterioph   | 1064 | 62   | 10.5 | 1808 | 2 | Q1XD63_RAT   | Q1XD63 | rattus norv  |
| 992  | 62   | 10.5 | 101  | 2 | Q9XGJ3_GERHY | Q9XGJ3 | acrythosiph  | 1065 | 62   | 10.5 | 1813 | 1 | LTBR21_MOUSE | LTBR21 | trypanosoma  |
| 993  | 62   | 10.5 | 102  | 2 | Q24040_9ROSI | Q9XGJ3 | gerbera hyb  | 1066 | 62   | 10.5 | 1964 | 1 | Q4CQ11_TRYCR | Q4CQ11 | trypanosoma  |
| 994  | 62   | 10.5 | 112  | 2 | Q9ZP51_URTDI | Q24040 | lavatera th  | 1067 | 62   | 10.5 | 2043 | 2 | Q4Q510_LEIMA | Q4Q510 | leishmania   |
| 995  | 62   | 10.5 | 135  | 2 | Q2AB89_9GEMI | Q9ZP51 | urtica dioi  | 1068 | 62   | 10.5 | 2282 | 1 | ZAN_RABIT    | ZAN    | oryctolagus  |
| 996  | 62   | 10.5 | 146  | 1 | TXVE_BOVIN   | Q2AB89 | east africa  | 1069 | 62   | 10.5 | 2414 | 2 | Q6DFL6_XENLA | Q6DFL6 | xenopus lae  |
| 997  | 62   | 10.5 | 155  | 2 | Q218D3_RHOPB | Q90X24 | bothrops in  | 1070 | 62   | 10.5 | 2427 | 2 | Q8MQ36_CAEEL | Q8MQ36 | caenorhabdi  |
| 998  | 62   | 10.5 | 178  | 2 | Q8PPR1_XANAC | Q218D3 | rhodopseudo  | 1071 | 62   | 10.5 | 2511 | 2 | Q4T9V2_TETNG | Q4T9V2 | tetraodon n  |
| 999  | 62   | 10.5 | 198  | 2 | Q4WAE1_ASPFU | Q8PPR1 | xanthomonas  | 1072 | 62   | 10.5 | 2651 | 2 | Q4CTC1_TRYCR | Q4CTC1 | trypanosoma  |
| 1000 | 62   | 10.5 | 211  | 2 | Q6H8Q4_CANFA | Q4WAE1 | aspergillus  | 1073 | 62   | 10.5 | 2705 | 2 | Q4D538_TRYCR | Q4D538 | trypanosoma  |
| 1001 | 62   | 10.5 | 211  | 2 | Q9RK27_STRCO | Q6H8Q4 | canis famil  | 1074 | 62   | 10.5 | 2760 | 2 | Q4T8G9_TETNG | Q4T8G9 | tetraodon n  |
| 1002 | 62   | 10.5 | 222  | 2 | Q3U697_MOUSE | Q9RK27 | streptomyce  | 1075 | 62   | 10.5 | 2838 | 2 | Q4DUG4_TRYCR | Q4DUG4 | trypanosoma  |
| 1003 | 62   | 10.5 | 240  | 2 | Q218M8_RHOPB | Q3U697 | m bone marr  | 1076 | 62   | 10.5 | 2976 | 2 | Q4CZM4_TRYCR | Q4CZM4 | trypanosoma  |
| 1004 | 62   | 10.5 | 243  | 2 | Q4TDM7_TETNG | Q218M8 | rhodopseudo  | 1077 | 62   | 10.5 | 3313 | 1 | CELK3_RAT    | CELK3  | rattus norv  |
| 1005 | 62   | 10.5 | 256  | 2 | Q5ENU2_HETTR | Q4TDM7 | tetraodon n  | 1078 | 62   | 10.5 | 3335 | 2 | Q4DZ55_TRYCR | Q4DZ55 | trypanosoma  |
| 1006 | 62   | 10.5 | 269  | 2 | Q6AL36_DESPS | Q5ENU2 | heterocapsa  | 1079 | 62   | 10.5 | 3481 | 2 | Q4D8R5_TRYCR | Q4D8R5 | trypanosoma  |
| 1007 | 62   | 10.5 | 272  | 2 | Q61BN9_CAEER | Q6AL36 | desulfotale  | 1080 | 62   | 10.5 | 3482 | 2 | Q4DSH9_TRYCR | Q4DSH9 | trypanosoma  |
| 1008 | 62   | 10.5 | 282  | 1 | END4_DESVH   | Q61BN9 | caenorhabdi  | 1081 | 62   | 10.5 | 3483 | 2 | Q4DMZ0_TRYCR | Q4DMZ0 | trypanosoma  |
| 1009 | 62   | 10.5 | 311  | 2 | Q8RIQ8_MOUSE | Q72CQ9 | desulfotale  | 1082 | 62   | 10.5 | 3484 | 2 | Q4DHR5_TRYCR | Q4DHR5 | trypanosoma  |
| 1010 | 62   | 10.5 | 318  | 2 | Q6A853_PROAC | Q8RIQ8 | mus musculus | 1083 | 62   | 10.5 | 3493 | 2 | Q4RU20_TETNG | Q4RU20 | tetraodon n  |
| 1011 | 62   | 10.5 | 339  | 2 | Q9BLJ2_TOXGO | Q6A853 | propionibac  | 1084 | 62   | 10.5 | 4998 | 1 | SSPO_MOUSE   | SSPO   | mouse        |
| 1012 | 62   | 10.5 | 347  | 2 | Q75JE6_DICDI | Q9BLJ2 | toxoplasma   | 1085 | 61.5 | 10.4 | 83   | 2 | Q9XXT6_CAEEL | Q9XXT6 | caenorhabdi  |
| 1013 | 62   | 10.5 | 347  | 2 | Q55AL3_DICDI | Q75JE6 | dictyosteli  | 1086 | 61.5 | 10.4 | 93   | 2 | Q7MS54_WOLSV | Q7MS54 | wolinnella s |
| 1014 | 62   | 10.5 | 369  | 2 | Q1RBF5_ECOUT | Q55AL3 | dictyosteli  | 1087 | 61.5 | 10.4 | 131  | 2 | Q9YXW5_9FLAV | Q9YXW5 | gb virus c.  |
| 1015 | 62   | 10.5 | 380  | 2 | Q60214_METCA | Q1RBF5 | escherichia  | 1088 | 61.5 | 10.4 | 131  | 2 | Q9YXW5_9FLAV | Q9YXW5 | gb virus c.  |
| 1016 | 62   | 10.5 | 402  | 1 | GUN1_HUMGT   | Q60214 | methylococc  | 1089 | 61.5 | 10.4 | 135  | 2 | Q77VZ1_9FLAV | Q77VZ1 | gb virus c.  |
| 1017 | 62   | 10.5 | 435  | 1 | GUN1_HUMGT   | P56680 | humicola in  | 1090 | 61.5 | 10.4 | 135  | 2 | Q9W8H8_9FLAV | Q9W8H8 | gb virus c.  |
| 1018 | 62   | 10.5 | 435  | 2 | Q616G8_CAEER | Q12622 | humicola gr  | 1091 | 61.5 | 10.4 | 135  | 2 | Q9YUN7_9FLAV | Q9YUN7 | gb virus c.  |
| 1019 | 62   | 10.5 | 469  | 2 | Q161L6_ABDAB | Q616G8 | caenorhabdi  | 1092 | 61.5 | 10.4 | 135  | 2 | Q77VZ2_9FLAV | Q77VZ2 | gb virus c.  |
| 1020 | 62   | 10.5 | 469  | 2 | Q64FJ9_9INFA | Q161L6 | aedes aegypt | 1093 | 61.5 | 10.4 | 135  | 2 | Q72441_9FLAV | Q72441 | gb virus c.  |
| 1021 | 62   | 10.5 | 475  | 1 | U3IP2_MOUSE  | Q64FJ9 | influenza a  | 1094 | 61.5 | 10.4 | 143  | 2 | Q9BLH6_APLKU | Q9BLH6 | aplysia kur  |
| 1022 | 62   | 10.5 | 476  | 2 | Q8RIH9_MOUSE | U3IP2  | mus musculus | 1095 | 61.5 | 10.4 | 162  | 2 | ZCH13_HUMAN  | ZCH13  | homo sapien  |
| 1023 | 62   | 10.5 | 491  | 2 | P90850_CAEEL | Q8RIH9 | mus musculus | 1096 | 61.5 | 10.4 | 166  | 1 | Q87WA2_PSES  | Q87WA2 | pseudomonas  |
| 1024 | 62   | 10.5 | 493  | 2 | Q7TBG6_MOUSE | P90850 | caenorhabdi  | 1097 | 61.5 | 10.4 | 176  | 2 | Q7RYN5_NEUCR | Q7RYN5 | neurospora   |
| 1025 | 62   | 10.5 | 504  | 2 | Q5ZB09_ORYSA | Q7TBG6 | mus musculus | 1098 | 61.5 | 10.4 | 177  | 2 | Q3ZDR4_PIG   | Q3ZDR4 | sus scrofa   |
| 1026 | 62   | 10.5 | 583  | 2 | Q1EG87_PIG   | Q5ZB09 | oryza sativ  | 1099 | 61.5 | 10.4 | 190  | 2 | Q52524_9FLAV | Q52524 | gb virus c.  |
| 1027 | 62   | 10.5 | 592  | 2 | Q61834_MOUSE | Q1EG87 | sus scrofa   | 1100 | 61.5 | 10.4 | 202  | 2 | Q52524_9FLAV | Q52524 | gb virus c.  |
| 1028 | 62   | 10.5 | 615  | 2 | Q58E52_MOUSE | Q61834 | mus musculus | 1101 | 61.5 | 10.4 | 220  | 2 | Q92V20_RHIME | Q92V20 | rhizobium m  |
| 1029 | 62   | 10.5 | 625  | 2 | Q8JQP9_VIRU  | Q58E52 | mus musculus | 1102 | 61.5 | 10.4 | 228  | 2 | Q91NG9_9PARA | Q91NG9 | tioman viru  |
| 1030 | 62   | 10.5 | 657  | 2 | Q8R0K8_MOUSE | Q8JQP9 | adeno-aeoc   | 1103 | 61.5 | 10.4 | 277  | 1 | TNRA_HUMAN   | TNRA   | homo sapien  |
| 1031 | 62   | 10.5 | 772  | 1 | DLLA_BRARE   | Q8R0K8 | mus musculus | 1104 | 61.5 | 10.4 | 277  | 2 | Q2M312_HUMAN | Q2M312 | homo sapien  |
| 1032 | 62   | 10.5 | 924  | 2 | Q24457_TETH  | Q6DI48 | brachydanio  | 1105 | 61.5 | 10.4 | 282  | 1 | CD320_MOUSE  | CD320  | homo sapien  |
| 1033 | 62   | 10.5 | 949  | 1 | TSP4_BRARE   | Q24457 | tetrahymena  | 1106 | 61.5 | 10.4 | 299  | 2 | Q8BX64_MOUSE | Q8BX64 | mus musculus |
| 1034 | 62   | 10.5 | 949  | 2 | Q502R1_BRARE | Q8JG19 | adeno-aeoc   | 1107 | 61.5 | 10.4 | 316  | 2 | CHIC_LYCES   | CHIC   | lyctes       |
| 1035 | 62   | 10.5 | 951  | 2 | Q4D0C3_TRYCR | Q502R1 | brachydanio  | 1108 | 61.5 | 10.4 | 322  | 2 | Q86T16_HUMAN | Q86T16 | homo sapien  |
| 1036 | 62   | 10.5 | 988  | 2 | Q22685_CAEEL | Q4D0C3 | trypanosoma  | 1109 | 61.5 | 10.4 | 347  | 2 | Q2QTH8_ORYSA | Q2QTH8 | oryza sativ  |
| 1037 | 62   | 10.5 | 998  | 1 | EPHB3_HUMAN  | Q22685 | caenorhabdi  | 1110 | 61.5 | 10.4 | 351  | 2 | Q60C70_METCA | Q60C70 | methylococc  |
| 1038 | 62   | 10.5 | 1047 | 2 | Q566K6_MOUSE | P54753 | homo sapien  | 1111 | 61.5 | 10.4 | 356  | 2 | Q82VZ2_NITEU | Q82VZ2 | nitrosomona  |
| 1039 | 62   | 10.5 | 1065 | 2 | Q10H2_MOUSE  | Q566K6 | mus musculus | 1112 | 61.5 | 10.4 | 368  | 2 | Q18197_CAEEL | Q18197 | caenorhabdi  |
| 1040 | 62   | 10.5 | 1095 | 2 | Q41672_GIBZE | Q10H2  | mus musculus | 1113 | 61.5 | 10.4 | 373  | 2 | Q5SNS5_BRARE | Q5SNS5 | brachydanio  |
| 1041 | 62   | 10.5 | 1103 | 2 | Q55A33_DICDI | Q41672 | gibberella   | 1114 | 61.5 | 10.4 | 373  | 2 | Q29K93_DROPS | Q29K93 | drosera      |
| 1042 | 62   | 10.5 | 1113 | 1 | CORIN_MOUSE  | Q55A33 | dictyosteli  | 1115 | 61.5 | 10.4 | 408  | 2 | Q60N48_CAEER | Q60N48 | caenorhabdi  |
| 1043 | 62   | 10.5 | 1170 | 1 | TSP1_HUMAN   | Q9Z319 | mus musculus | 1116 | 61.5 | 10.4 | 415  | 2 | Q9K3H4_STRCC | Q9K3H4 | strepomyce   |
| 1044 | 62   | 10.5 | 1170 | 1 | TSP1_MOUSE   | P07996 | homo sapien  | 1117 | 61.5 | 10.4 | 422  | 2 | Q505M6_XENLA | Q505M6 | xenopus lae  |
| 1045 | 62   | 10.5 | 1170 | 1 | TSP1_MOUSE   | P35441 | mus musculus | 1118 | 61.5 | 10.4 | 435  | 2 | Q61C0_XENLA  | Q61C0  | macaca fasc  |
| 1046 | 62   | 10.5 | 1170 | 2 | Q71S33_RAT   | Q718A3 | rattus norv  | 1119 | 61.5 | 10.4 | 448  | 2 | Q51SL2_MACPA | Q51SL2 | macaca fasc  |
| 1047 | 62   | 10.5 | 1170 | 2 | Q3TR40_MOUSE | Q3TR40 | mus musculus | 1120 | 61.5 | 10.4 | 452  | 2 | Q2TAW1_XENLA | Q2TAW1 | xenopus lae  |
| 1048 | 62   | 10.5 | 1171 | 2 | Q80YQ1_MOUSE | Q80YQ1 | mus musculus | 1121 | 61.5 | 10.4 | 459  | 2 | Q7QWR4_GIALA | Q7QWR4 | gialdia lam  |
| 1049 | 62   | 10.5 | 1171 | 2 | Q8CG82_MOUSE | Q8CG82 | mus musculus | 1122 | 61.5 | 10.4 | 504  | 2 | Q2HGA7_CHAGB | Q2HGA7 | chaetomium   |
| 1050 | 62   | 10.5 | 1205 | 2 | Q8K0P6_MOUSE | Q8K0P6 | mus musculus | 1123 | 61.5 | 10.4 | 587  | 2 | Q5C3P1_SCHJA | Q5C3P1 | schistosoma  |
| 1051 | 62   | 10.5 | 1225 | 2 | Q59E39_HUMAN | Q59E39 | homo sapien  | 1124 | 61.5 | 10.4 | 587  | 2 | Q1Q4X4_9BACT | Q1Q4X4 | candidatus   |
| 1052 | 62   | 10.5 | 1343 | 2 | Q4RGJ3_TETNG | Q4RGJ3 | tetraodon n  | 1125 | 61.5 | 10.4 | 659  | 2 |              |        |              |
| 1053 | 62   | 10.5 | 1361 | 2 | Q6PD18_MOUSE | Q6PD18 | mus musculus | 1126 | 61.5 | 10.4 | 659  | 2 |              |        |              |

|      |      |      |      |   |              |        |              |      |    |      |      |   |             |        |        |              |
|------|------|------|------|---|--------------|--------|--------------|------|----|------|------|---|-------------|--------|--------|--------------|
| 1127 | 61.5 | 10.4 | 705  | 1 | CTL2_CAVPO   | Q810f1 | cavia porce  | 1200 | 61 | 10.4 | 369  | 2 | Q7QDZ6      | ANOCA  | Q7qdz6 | anopheles g  |
| 1128 | 61.5 | 10.4 | 719  | 2 | Q5XG79_HUMAN | Q5xg79 | homo sapien  | 1201 | 61 | 10.4 | 398  | 2 | Q21P42      | SACD2  | Q21p42 | saccharoph   |
| 1129 | 61.5 | 10.4 | 735  | 2 | Q498M5_RAT   | Q498m5 | rattus norv  | 1202 | 61 | 10.4 | 402  | 2 | Q64WM1      | BACFR  | Q64wm1 | bacteroides  |
| 1130 | 61.5 | 10.4 | 774  | 2 | Q3SEM2_PART  | Q3sem2 | paramesium   | 1203 | 61 | 10.4 | 402  | 2 | Q5LG05      | BACFN  | Q5lg05 | bacteroides  |
| 1131 | 61.5 | 10.4 | 774  | 2 | Q3SEM3_PART  | Q3sem3 | paramesium   | 1204 | 61 | 10.4 | 406  | 2 | Q3FDG7      | 9BURK  | Q3fdg7 | burkholderi  |
| 1132 | 61.5 | 10.4 | 782  | 2 | Q7PDS2_PLAY  | Q7pds2 | plasmodium   | 1205 | 61 | 10.4 | 413  | 2 | Q23015      | CAEEL  | Q23015 | caenorhabdi  |
| 1133 | 61.5 | 10.4 | 816  | 2 | Q5R449_PONPY | Q5r449 | pongo pygma  | 1206 | 61 | 10.4 | 432  | 2 | Q3BKp1      | CAEEL  | Q3bkp1 | caenorhabdi  |
| 1134 | 61.5 | 10.4 | 818  | 2 | Q6KF79_XENLA | Q6kf79 | xenopus lae  | 1207 | 61 | 10.4 | 441  | 2 | Q3PB67      | PARDE  | Q3pb67 | paracoccus   |
| 1135 | 61.5 | 10.4 | 833  | 2 | Q3R6S4_PONPY | Q3r6s4 | pongo pygma  | 1208 | 61 | 10.4 | 447  | 2 | Q4J3W1      | ACZOVI | Q4j3w1 | azotobacter  |
| 1136 | 61.5 | 10.4 | 909  | 2 | Q61GM2_CAEER | Q61gm2 | caenorhabdi  | 1209 | 61 | 10.4 | 451  | 2 | Q98173      | MCV1   | Q98173 | molluscum c  |
| 1137 | 61.5 | 10.4 | 932  | 2 | Q5Y4N8_RAT   | Q5y4n8 | rattus norv  | 1210 | 61 | 10.4 | 485  | 2 | Q4H3Q6      | CIOIN  | Q4h3q6 | ciona intes  |
| 1138 | 61.5 | 10.4 | 941  | 2 | Q54YPO_DICDI | Q54yp0 | dictyosteli  | 1211 | 61 | 10.4 | 506  | 2 | Q8C7W2      | MOUSE  | Q8c7w2 | mus musculu  |
| 1139 | 61.5 | 10.4 | 1124 | 2 | Q23GM4_TETH  | Q23gm4 | tetrahymena  | 1212 | 61 | 10.4 | 525  | 2 | P92162      | BOMMO  | P92162 | bombyx mori  |
| 1140 | 61.5 | 10.4 | 1179 | 2 | Q1S1Z0_MEDTR | Q1s1z0 | medicago tr  | 1213 | 61 | 10.4 | 538  | 2 | Q8CC86      | MOUSE  | Q8cc86 | m adult mal  |
| 1141 | 61.5 | 10.4 | 1247 | 1 | JAG2_MOUSE   | Q9qye5 | mus musculu  | 1214 | 61 | 10.4 | 563  | 2 | Q7TP82      | RAT    | Q7tp82 | rattus norv  |
| 1142 | 61.5 | 10.4 | 1267 | 2 | Q2EG68_PONPY | Q2eg68 | pongo pygma  | 1215 | 61 | 10.4 | 571  | 2 | Q8C1E3      | MOUSE  | Q8c1e3 | mus musculu  |
| 1143 | 61.5 | 10.4 | 1316 | 2 | Q96JU7_HUMAN | Q96ju7 | homo sapien  | 1216 | 61 | 10.4 | 586  | 2 | Q8KDS0      | CHLTE  | Q8kds0 | chlorobium   |
| 1144 | 61.5 | 10.4 | 1373 | 2 | Q75372_HUMAN | Q75372 | homo sapien  | 1217 | 61 | 10.4 | 601  | 2 | Q7M4J3      | DICDI  | Q7m4j3 | dictyosteli  |
| 1145 | 61.5 | 10.4 | 1394 | 2 | Q8MST1_DROME | Q8mst1 | drosohila    | 1218 | 61 | 10.4 | 606  | 2 | Q17LW1      | AEDAE  | Q17lw1 | aedes aegypt |
| 1146 | 61.5 | 10.4 | 1458 | 2 | Q1ASU1_BRARE | Q1asu1 | brachydantio | 1219 | 61 | 10.4 | 610  | 2 | Q4B0K0      | 9BURK  | Q4b0k0 | polaromonas  |
| 1147 | 61.5 | 10.4 | 1511 | 2 | Q9VB21_DROME | Q9vb21 | g sortilin-  | 1220 | 61 | 10.4 | 657  | 2 | Q4T6N0      | TETNG  | Q4t6n0 | tetradon n   |
| 1148 | 61.5 | 10.4 | 1592 | 1 | SORL_CHICK   | Q98930 | g sortilin-  | 1221 | 61 | 10.4 | 703  | 2 | Q8C122      | MOUSE  | Q8c122 | mus musculu  |
| 1149 | 61.5 | 10.4 | 1666 | 1 | LTPB4_MOUSE  | Q8k4g1 | mus musculu  | 1222 | 61 | 10.4 | 715  | 2 | Q9H0L5      | HUMAN  | Q9h0l5 | homo sapien  |
| 1150 | 61.5 | 10.4 | 1702 | 2 | Q6ZQA1_MOUSE | Q6zqa1 | mus musculu  | 1223 | 61 | 10.4 | 735  | 2 | Q8BZT2      | MOUSE  | Q8bzt2 | mus musculu  |
| 1151 | 61.5 | 10.4 | 1721 | 2 | Q614N6_CAEER | Q614n6 | caenorhabdi  | 1224 | 61 | 10.4 | 745  | 2 | Q8VCB2      | MOUSE  | Q8vcb2 | mus musculu  |
| 1152 | 61.5 | 10.4 | 1761 | 2 | Q17EM2_AEDAE | Q17ew2 | aedes aegypt | 1225 | 61 | 10.4 | 747  | 2 | Q71SV5      | HUMAN  | Q71sv5 | homo sapien  |
| 1153 | 61.5 | 10.4 | 1913 | 2 | Q5SVA2_HUMAN | Q5sva2 | homo sapien  | 1226 | 61 | 10.4 | 754  | 2 | Q6P143      | HUMAN  | Q6p143 | homo sapien  |
| 1154 | 61.5 | 10.4 | 2030 | 2 | Q9VXV3_DROME | Q9vxx3 | drosohila    | 1227 | 61 | 10.4 | 754  | 2 | Q707U4      | HUMAN  | Q707u4 | homo sapien  |
| 1155 | 61.5 | 10.4 | 2045 | 1 | AGRN_HUMAN   | Q00468 | homo sapien  | 1228 | 61 | 10.4 | 759  | 2 | Q19UW4      | 9CAUD  | Q19uw4 | bacterioph   |
| 1156 | 61.5 | 10.4 | 2045 | 2 | Q60FE1_HUMAN | Q60fel | homo sapien  | 1229 | 61 | 10.4 | 787  | 1 | SNO_HUMAN   |        | Q99835 | homo sapien  |
| 1157 | 61.5 | 10.4 | 2224 | 2 | Q44131_CAEEL | Q44131 | caenorhabdi  | 1230 | 61 | 10.4 | 796  | 2 | Q6QMH5      | HUMAN  | Q6qmh5 | homo sapien  |
| 1158 | 61.5 | 10.4 | 2277 | 2 | Q22QJ9_TETH  | Q22qj9 | tetrahymena  | 1231 | 61 | 10.4 | 856  | 2 | Q91LE1      | WSSV   | Q91le1 | white spot   |
| 1159 | 61.5 | 10.4 | 2470 | 1 | NOTC2_MOUSE  | Q35516 | mus musculu  | 1232 | 61 | 10.4 | 875  | 2 | Q4CMA5      | TRYCR  | Q4cma5 | trypanosoma  |
| 1160 | 61.5 | 10.4 | 2471 | 1 | NOTC2_RAT    | Q9q30  | rattus norv  | 1233 | 61 | 10.4 | 881  | 2 | Q9W0A0      | DROME  | Q9w0a0 | drosohila    |
| 1161 | 61.5 | 10.4 | 2570 | 1 | STAB1_HUMAN  | Q9ny15 | homo sapien  | 1234 | 61 | 10.4 | 903  | 2 | Q44397      | TRITR  | Q44397 | trichuris c  |
| 1162 | 61.5 | 10.4 | 2843 | 2 | Q89251_9FLAV | Q89251 | gb virus c.  | 1235 | 61 | 10.4 | 915  | 2 | Q4RS15      | TETNG  | Q4rs15 | tetradon n   |
| 1163 | 61.5 | 10.4 | 2873 | 2 | Q69431_9FLAV | Q69431 | gb virus c.  | 1236 | 61 | 10.4 | 937  | 2 | Q9BLJ1      | CIOIN  | Q9blj1 | ciona intes  |
| 1164 | 61.5 | 10.4 | 2966 | 2 | Q4RMT7_TETNG | Q4rmt7 | tetradon n   | 1237 | 61 | 10.4 | 968  | 2 | Q4SNB3      | TETNG  | Q4snb3 | tetradon n   |
| 1165 | 61.5 | 10.4 | 3126 | 2 | Q3V5L4_MOUSE | Q3v5l4 | mus musculu  | 1238 | 61 | 10.4 | 1027 | 2 | Q22AD5      | TETTH  | Q22ad5 | tetrahymena  |
| 1166 | 61.5 | 10.4 | 3333 | 1 | LAMA3_MOUSE  | Q61789 | mus musculu  | 1239 | 61 | 10.4 | 1031 | 2 | Q1EC80      | DROME  | Q1ec80 | drosohila    |
| 1167 | 61.5 | 10.4 | 3457 | 2 | Q4EOC7_TRYCR | Q4eoc7 | trypanosoma  | 1240 | 61 | 10.4 | 1038 | 2 | Q5A282      | CANAL  | Q5a282 | candida alb  |
| 1168 | 61.5 | 10.4 | 3548 | 2 | Q5VTE4_HUMAN | Q5vte4 | homo sapien  | 1241 | 61 | 10.4 | 1062 | 2 | Q60789      | MOUSE  | Q60789 | mus musculu  |
| 1169 | 61.5 | 10.4 | 3574 | 2 | Q4LDE5_HUMAN | Q4lde5 | homo sapien  | 1242 | 61 | 10.4 | 1111 | 2 | Q80YN4      | RAT    | Q80yn4 | rattus norv  |
| 1170 | 61.5 | 10.4 | 3834 | 2 | Q29DL3_DROPS | Q29dl3 | drosohila    | 1243 | 61 | 10.4 | 1123 | 2 | Q5RDI5      | PONPY  | Q5rdi5 | pongo pygma  |
| 1171 | 61.5 | 10.4 | 4006 | 2 | Q35452_MOUSE | Q35452 | mus musculu  | 1244 | 61 | 10.4 | 1128 | 2 | Q4S6G8      | TETNG  | Q4s6g8 | tetradon n   |
| 1172 | 61.5 | 10.4 | 4114 | 2 | Q54796_MOUSE | Q54796 | mus musculu  | 1245 | 61 | 10.4 | 1134 | 2 | Q2GRE7      | CHAGB  | Q2gre7 | chaetoniun   |
| 1173 | 61   | 10.4 | 93   | 2 | Q94HA1_ORISA | Q94ha1 | oryza sativ  | 1246 | 61 | 10.4 | 1170 | 1 | TSP1_BOVIN  |        | Q28178 | bos taurus   |
| 1174 | 61   | 10.4 | 95   | 2 | Q9ZGV4_ECO57 | Q9zgv4 | escherichia  | 1247 | 61 | 10.4 | 1202 | 1 | JAG2_RAT    |        | P97607 | rattus norv  |
| 1175 | 61   | 10.4 | 111  | 1 | COL_MYOCCO   | Q92gv4 | myocastor c  | 1248 | 61 | 10.4 | 1213 | 1 | JAG1B_BRARE |        | Q90y54 | brachydantio |
| 1176 | 61   | 10.4 | 111  | 1 | MERT_SHEPU   | Q54462 | shewanella   | 1249 | 61 | 10.4 | 1270 | 2 | Q9GPN0      | CAEBR  | Q9gpn0 | caenorhabdi  |
| 1177 | 61   | 10.4 | 116  | 2 | Q5T6Z9_HUMAN | Q5t6z9 | homo sapien  | 1250 | 61 | 10.4 | 1382 | 2 | Q4CPFI      | TRYCR  | Q4cpfi | trypanosoma  |
| 1178 | 61   | 10.4 | 156  | 2 | Q29FD2_DROPS | Q29fd2 | drosohila    | 1251 | 61 | 10.4 | 1385 | 2 | Q613Q0      | CAEBR  | Q613q0 | caenorhabdi  |
| 1179 | 61   | 10.4 | 168  | 2 | Q6SG20_9BACT | Q6sg20 | uncultured   | 1252 | 61 | 10.4 | 1396 | 2 | Q4RPY1      | TETNG  | Q4rpy1 | tetradon n   |
| 1180 | 61   | 10.4 | 177  | 2 | Q5TPK8_ANOGA | Q5tpk8 | anopheles g  | 1253 | 61 | 10.4 | 1418 | 2 | Q93457      | SCOMX  | Q93457 | scophthalmu  |
| 1181 | 61   | 10.4 | 190  | 2 | Q93518_AGKHB | Q93518 | agkistrodon  | 1254 | 61 | 10.4 | 1476 | 2 | Q90285      | CARAU  | Q90285 | carassius a  |
| 1182 | 61   | 10.4 | 205  | 2 | Q5T700_HUMAN | Q5t700 | homo sapien  | 1255 | 61 | 10.4 | 1477 | 2 | Q4H3A4      | CIOIN  | Q4h3a4 | ciona intes  |
| 1183 | 61   | 10.4 | 212  | 2 | Q90Y44_AGKHP | Q90y44 | agkistrodon  | 1256 | 61 | 10.4 | 1506 | 2 | Q54U77      | DICDI  | Q54u77 | dictyosteli  |
| 1184 | 61   | 10.4 | 214  | 2 | Q4RG67_TETNG | Q4rg67 | tetradon n   | 1257 | 61 | 10.4 | 1525 | 2 | Q4D8M2      | TRYCR  | Q4d8m2 | trypanosoma  |
| 1185 | 61   | 10.4 | 227  | 2 | Q1AVU4_9ACTN | Q1avj4 | rubrobacter  | 1258 | 61 | 10.4 | 1747 | 2 | Q4CQV8      | TRYCR  | Q4cq8  | trypanosoma  |
| 1186 | 61   | 10.4 | 249  | 2 | Q5CK70_CRYHO | Q5ck70 | cryptospori  | 1259 | 61 | 10.4 | 1827 | 2 | Q4CO57      | TRYCR  | Q4co57 | trypanosoma  |
| 1187 | 61   | 10.4 | 254  | 2 | Q2U3M4_ASPOR | Q2u3m4 | aspergillus  | 1260 | 61 | 10.4 | 1834 | 2 | Q4CQ57      | TRYCR  | Q4cq57 | trypanosoma  |
| 1188 | 61   | 10.4 | 260  | 2 | Q3PB20_PARDE | Q3pb20 | paracoccus   | 1261 | 61 | 10.4 | 1955 | 1 | AGRN_CHICK  |        | P31696 | gallus gall  |
| 1189 | 61   | 10.4 | 269  | 2 | Q9U2B8_CAEER | Q9u2b8 | caenorhabdi  | 1262 | 61 | 10.4 | 2262 | 2 | Q4CXH5      | TRYCR  | Q4cxh5 | trypanosoma  |
| 1190 | 61   | 10.4 | 289  | 2 | Q1PG20_HYDSY | Q1pg20 | hydractinia  | 1263 | 61 | 10.4 | 2345 | 2 | Q4CX92      | TRYCR  | Q4cx92 | trypanosoma  |
| 1191 | 61   | 10.4 | 289  | 2 | Q1PG09_HYDSY | Q1pg09 | hydractinia  | 1264 | 61 | 10.4 | 2450 | 2 | Q9P273      | HUMAN  | Q9p273 | homo sapien  |
| 1192 | 61   | 10.4 | 289  | 2 | Q1PG19_HYDSY | Q1pg19 | hydractinia  | 1265 | 61 | 10.4 | 2476 | 1 | ZAN_PIG     |        | Q28983 | sus scrofa   |
| 1193 | 61   | 10.4 | 289  | 2 | Q1PG18_HYDSY | Q1pg18 | hydractinia  | 1266 | 61 | 10.4 | 2520 | 2 | Q5SVC7      | MOUSE  | Q5svc7 | mus musculu  |
| 1194 | 61   | 10.4 | 289  | 2 | Q1PG17_HYDSY | Q1pg17 | hydractinia  | 1267 | 61 | 10.4 | 2806 | 2 | Q4DH79      | TRYCR  | Q4dh79 | trypanosoma  |
| 1195 | 61   | 10.4 | 307  | 2 | Q4C965_KROWI | Q4c965 | crocospaer   | 1268 | 61 | 10.4 | 2857 | 2 | Q29L38      | DROPS  | Q29l38 | drosohila    |
| 1196 | 61   | 10.4 | 309  | 2 | Q69525_MYCLE | Q69525 | mycobacteri  | 1269 | 61 | 10.4 | 3450 | 2 | Q4D801      | TRYCR  | Q4d801 | trypanosoma  |
| 1197 | 61   | 10.4 | 320  | 2 | Q8QQY4_WSSV  | Q8qqy4 | white spot   | 1270 | 61 | 10.4 | 3452 | 2 | Q4DI34      | TRYCR  | Q4di34 | trypanosoma  |
| 1198 | 61   | 10.4 | 339  | 2 | Q4CKA1_TRYCR | Q4cka1 | trypanosoma  | 1271 | 61 | 10.4 | 3467 | 2 | Q4D6V4      | TRYCR  | Q4d6v4 | trypanosoma  |
| 1199 | 61   | 10.4 | 352  | 2 | Q20WV9_RHOPB | Q20wv9 | rhodospseudo | 1272 | 61 | 10.4 | 3473 | 2 | Q4DAR6      | TRYCR  | Q4dar6 | trypanosoma  |



|      |      |      |      |   |              |                     |      |      |      |       |   |              |                     |
|------|------|------|------|---|--------------|---------------------|------|------|------|-------|---|--------------|---------------------|
| 1273 | 61   | 10.4 | 3476 | 2 | Q4DS00_TRYCR | Q4ds00 trypanosoma  | 1346 | 60.5 | 10.3 | 700   | 2 | Q5SW66_HUMAN | Q5sw66 homo sapien  |
| 1274 | 61   | 10.4 | 3480 | 2 | Q4DH83_TRYCR | Q4dh83 trypanosoma  | 1347 | 60.5 | 10.3 | 723   | 1 | DL11_HUMAN   | DL11 homo sapien    |
| 1275 | 61   | 10.4 | 3483 | 2 | Q4DR19_TRYCR | Q4dr19 trypanosoma  | 1348 | 60.5 | 10.3 | 737   | 2 | Q8NFT8_HUMAN | Q8nft8 homo sapien  |
| 1276 | 61   | 10.4 | 3487 | 2 | Q4DL83_TRYCR | Q4dl83 trypanosoma  | 1349 | 60.5 | 10.3 | 737   | 2 | Q8IYTO_HUMAN | Q8iyto homo sapien  |
| 1277 | 61   | 10.4 | 5429 | 2 | Q16KQ8_AEDAE | Q16kq8 aedes aegypt | 1350 | 60.5 | 10.3 | 738   | 2 | Q90245_CHICK | Q90245 gallus gall  |
| 1278 | 60.5 | 10.3 | 64   | 1 | Q16KQ8_AEDAE | Q16kq8 aedes aegypt | 1351 | 60.5 | 10.3 | 738   | 2 | Q5TNY8_ANOGA | Q5tny8 anopheles g  |
| 1279 | 60.5 | 10.3 | 64   | 2 | Q59AAB_CONTM | Q59aa8 conus imper  | 1352 | 60.5 | 10.3 | 787   | 1 | ITB3_MOUSE   | ITB3 mus musculus   |
| 1280 | 60.5 | 10.3 | 81   | 2 | Q5RLQ5_PIG   | Q5rlq5 sus scrofa   | 1353 | 60.5 | 10.3 | 787   | 1 | Q3TZC6_MOUSE | Q3tzc6 mus musculus |
| 1281 | 60.5 | 10.3 | 88   | 2 | Q6UXU7_HUMAN | Q6uxu7 homo sapien  | 1354 | 60.5 | 10.3 | 787   | 2 | Q4R728_MACFA | Q4r728 macaca fasc  |
| 1282 | 60.5 | 10.3 | 92   | 2 | Q8GX19_ARATH | Q8gx19 arabidopsis  | 1355 | 60.5 | 10.3 | 790   | 2 | Q5AB17_CANAL | Q5ab17 candida alb  |
| 1283 | 60.5 | 10.3 | 96   | 2 | Q9CX11_LACLA | Q9cx11 lactococcus  | 1356 | 60.5 | 10.3 | 833   | 2 | Q5AAS8_CANAL | Q5aas8 candida alb  |
| 1284 | 60.5 | 10.3 | 99   | 1 | QASG33_ARATH | Q46687 arabidopsis  | 1357 | 60.5 | 10.3 | 834   | 2 | Q19057_PONPY | Q19057 pongo pygma  |
| 1285 | 60.5 | 10.3 | 99   | 2 | Q9D638_MOUSE | Q9d638 mus musculus | 1358 | 60.5 | 10.3 | 836   | 2 | Q6KFR0_XENLA | Q6kfr0 xenopus lae  |
| 1286 | 60.5 | 10.3 | 115  | 2 | Q19VG5_MALZE | Q19vg5 zea mays     | 1359 | 60.5 | 10.3 | 864   | 2 | Q4SCX8_TETNG | Q4scx8 tetraodon n  |
| 1287 | 60.5 | 10.3 | 117  | 2 | Q53TQ4_HUMAN | Q53tq4 homo sapien  | 1360 | 60.5 | 10.3 | 871   | 2 | Q9VBN1_DROME | Q9vbn1 drosophila   |
| 1288 | 60.5 | 10.3 | 126  | 2 | Q6FAF7_TRISC | Q6faf7 triakis scy  | 1361 | 60.5 | 10.3 | 883   | 2 | Q9VE20_DROME | Q9ve20 drosophila   |
| 1289 | 60.5 | 10.3 | 129  | 2 | Q9YCE5_AERPE | Q9yce5 aeropyrum p  | 1362 | 60.5 | 10.3 | 917   | 2 | Q7LBX6_HUMAN | Q7lbx6 homo sapien  |
| 1290 | 60.5 | 10.3 | 129  | 2 | Q8H7V2_ORYSA | Q8h7v2 oryza sativ  | 1363 | 60.5 | 10.3 | 931   | 1 | Q7Z3T9_HUMAN | Q7z3t9 homo sapien  |
| 1291 | 60.5 | 10.3 | 131  | 2 | Q9YZW6_FFLAV | Q9yzw6 gb virus c.  | 1364 | 60.5 | 10.3 | 931   | 2 | Q7LBX7_HUMAN | Q7lbx7 homo sapien  |
| 1292 | 60.5 | 10.3 | 131  | 2 | Q9YZW4_FFLAV | Q9yzw4 gb virus c.  | 1366 | 60.5 | 10.3 | 978   | 1 | MCR_MOUSE    | MCR mus musculus    |
| 1293 | 60.5 | 10.3 | 131  | 2 | Q9YZW5_FFLAV | Q9yzw5 gb virus c.  | 1367 | 60.5 | 10.3 | 1024  | 2 | Q9BX11_HUMAN | Q9bx11 homo sapien  |
| 1294 | 60.5 | 10.3 | 131  | 2 | Q9YUN0_FFLAV | Q9yun0 gb virus c.  | 1368 | 60.5 | 10.3 | 1030  | 2 | Q22D69_TERTH | Q22d69 tetrahymena  |
| 1295 | 60.5 | 10.3 | 135  | 2 | Q21GR8_SACD2 | Q21gr8 saccharoph   | 1369 | 60.5 | 10.3 | 1031  | 2 | Q6NP66_DROME | Q6np66 drosophila   |
| 1296 | 60.5 | 10.3 | 155  | 2 | Q35KP7_9BRAD | Q35kp7 bradyrhizob  | 1370 | 60.5 | 10.3 | 1037  | 2 | Q4RTI6_TETNG | Q4rti6 tetraodon n  |
| 1297 | 60.5 | 10.3 | 161  | 2 | Q35KP7_9BRAD | Q35kp7 bradyrhizob  | 1371 | 60.5 | 10.3 | 1071  | 2 | Q23H08_TERTH | Q23h08 tetrahymena  |
| 1298 | 60.5 | 10.3 | 168  | 1 | WFDCC2_RAT   | Q8chn3 rattus norv  | 1372 | 60.5 | 10.3 | 1087  | 2 | Q1SA17_MEDTR | Q1sa17 medicago tr  |
| 1299 | 60.5 | 10.3 | 173  | 2 | Q3NQL2_SHEPR | Q3nql2 shewanella   | 1373 | 60.5 | 10.3 | 1101  | 1 | NFX1_HUMAN   | NFX1 homo sapien    |
| 1300 | 60.5 | 10.3 | 181  | 2 | Q3F736_9BURK | Q3f736 burkholderi  | 1374 | 60.5 | 10.3 | 1104  | 1 | Q5A311_DICDI | Q5a311 dictyosteli  |
| 1301 | 60.5 | 10.3 | 191  | 2 | Q872V4_NEUCR | Q872v4 neurospora   | 1375 | 60.5 | 10.3 | 1116  | 2 | Q86KY4_DICDI | Q86ky4 dictyosteli  |
| 1302 | 60.5 | 10.3 | 214  | 2 | Q7NEW7_GLOVI | Q7new7 gloeobacter  | 1376 | 60.5 | 10.3 | 1120  | 2 | Q96EL5_HUMAN | Q96el5 mus musculus |
| 1303 | 60.5 | 10.3 | 234  | 2 | Q5C033_SCHJA | Q5c033 schistosoma  | 1377 | 60.5 | 10.3 | 1389  | 1 | LTB15_MOUSE  | LTB15 mus musculus  |
| 1304 | 60.5 | 10.3 | 249  | 2 | Q14VV4_SHERP | Q14vv4 ranid herpe  | 1378 | 60.5 | 10.3 | 1394  | 2 | Q505C9_MOUSE | Q505c9 mus musculus |
| 1305 | 60.5 | 10.3 | 251  | 2 | Q2EFY6_ATEGE | Q2efy6 atelea geof  | 1379 | 60.5 | 10.3 | 1577  | 2 | Q9VS89_DROME | Q9vs89 drosophila   |
| 1306 | 60.5 | 10.3 | 252  | 2 | Q2GLX9_CHAGB | Q2glx9 chaetomium   | 1380 | 60.5 | 10.3 | 1622  | 2 | Q3ZTN4_SAISC | Q3ztn4 saimir sci   |
| 1307 | 60.5 | 10.3 | 252  | 2 | Q2EG79_LAGLA | Q2eg79 lagotrix l   | 1381 | 60.5 | 10.3 | 1674  | 2 | Q80Z18_MOUSE | Q80z18 mus musculus |
| 1308 | 60.5 | 10.3 | 288  | 2 | Q4TT94_CAEL  | Q4tt94 caenorhabdi  | 1382 | 60.5 | 10.3 | 1713  | 1 | LTB11_MOUSE  | LTB11 aspergillus   |
| 1309 | 60.5 | 10.3 | 289  | 1 | F1P26_ARATH  | Q9zvt7 arabidopsis  | 1383 | 60.5 | 10.3 | 1713  | 2 | Q4WHJ5_ASPFU | Q4whj5 aspergillus  |
| 1310 | 60.5 | 10.3 | 290  | 2 | Q9DAU5_MOUSE | Q9daus mus musculus | 1384 | 60.5 | 10.3 | 1914  | 2 | Q7QFS2_ANOGA | Q7qfs2 anopheles g  |
| 1311 | 60.5 | 10.3 | 291  | 2 | Q9UDM2_HUMAN | Q9udm2 homo sapien  | 1385 | 60.5 | 10.3 | 2038  | 2 | Q7TQ52_MOUSE | Q7tq52 mus musculus |
| 1312 | 60.5 | 10.3 | 296  | 2 | Q5M8H8_XENTR | Q5m8h8 xenopus tro  | 1386 | 60.5 | 10.3 | 2516  | 2 | Q7TQ51_MOUSE | Q7tq51 mus musculus |
| 1313 | 60.5 | 10.3 | 307  | 2 | Q7R3F7_GIALA | Q7r3f7 giardia lam  | 1387 | 60.5 | 10.3 | 2526  | 2 | NOTC1_MOUSE  | NOTC1 mus musculus  |
| 1314 | 60.5 | 10.3 | 313  | 2 | Q8K3U2_MOUSE | Q8k3u2 mus musculus | 1388 | 60.5 | 10.3 | 2531  | 1 | Q8K428_MOUSE | Q8k428 mus musculus |
| 1315 | 60.5 | 10.3 | 316  | 1 | IBP2_FIG     | P24853 sus scrofa   | 1389 | 60.5 | 10.3 | 2531  | 2 | Q7TQ50_MOUSE | Q7tq50 mus musculus |
| 1316 | 60.5 | 10.3 | 324  | 1 | CH12_TORAC   | P24091 nicotiana t  | 1390 | 60.5 | 10.3 | 2531  | 2 | NOTCH_DROME  | NOTCH drosophila    |
| 1317 | 60.5 | 10.3 | 324  | 1 | Q9FEW1_NICSY | Q9few1 nicotiana s  | 1391 | 60.5 | 10.3 | 2703  | 1 | Q7Q509_MOUSE | Q7q509 mus musculus |
| 1318 | 60.5 | 10.3 | 335  | 2 | Q4UB25_THEAN | Q4ub25 theileria a  | 1392 | 60.5 | 10.3 | 2783  | 2 | Q7M559_BRARE | Q7m559 brachydanio  |
| 1319 | 60.5 | 10.3 | 349  | 1 | CTGF_HUMAN   | P29279 homo sapien  | 1393 | 60.5 | 10.3 | 2842  | 2 | Q36178_9FLAV | Q36178 gb virus c.  |
| 1320 | 60.5 | 10.3 | 349  | 2 | Q6FHL8_HUMAN | Q6fhl8 homo sapien  | 1394 | 60.5 | 10.3 | 2842  | 2 | Q09804_9FLAV | Q09804 gb virus c.  |
| 1321 | 60.5 | 10.3 | 349  | 2 | Q5M8Y4_HUMAN | Q5m8t4 homo sapien  | 1395 | 60.5 | 10.3 | 2850  | 2 | Q80T03_MOUSE | Q80t03 mus musculus |
| 1322 | 60.5 | 10.3 | 370  | 2 | Q1CIM2_YERPE | Q1cim2 yersinia pe  | 1396 | 60.5 | 10.3 | 2873  | 2 | P89967_9FLAV | P89967 gb virus c.  |
| 1323 | 60.5 | 10.3 | 370  | 2 | Q1C788_YERPE | Q1c788 yersinia pe  | 1397 | 60.5 | 10.3 | 2873  | 2 | Q93070_9FLAV | Q93070 gb virus c.  |
| 1324 | 60.5 | 10.3 | 370  | 2 | Q66A46_YERPS | Q66a46 yersinia ps  | 1398 | 60.5 | 10.3 | 2873  | 2 | Q90481_9FLAV | Q90481 gb virus c.  |
| 1325 | 60.5 | 10.3 | 370  | 2 | Q8ZE17_YERPE | Q8ze17 yersinia pe  | 1399 | 60.5 | 10.3 | 2910  | 2 | Q9WGY8_9FLAV | Q9wgy8 gb virus c.  |
| 1326 | 60.5 | 10.3 | 384  | 2 | Q8D0L6_YERPE | Q8d0l6 yersinia pe  | 1400 | 60.5 | 10.3 | 2933  | 2 | Q09803_9FLAV | Q09803 gb virus c.  |
| 1327 | 60.5 | 10.3 | 385  | 1 | DLK_MOUSE    | Q84016 yersinia pe  | 1401 | 60.5 | 10.3 | 3480  | 2 | Q4E492_TRYCR | Q4e492 trypanosoma  |
| 1328 | 60.5 | 10.3 | 385  | 2 | Q925U3_MOUSE | Q925u3 mus musculus | 1402 | 60.5 | 10.3 | 3486  | 2 | Q4DGM4_TRYCR | Q4dgm4 trypanosoma  |
| 1329 | 60.5 | 10.3 | 386  | 2 | Q53L82_ORYSA | Q53le2 oryza sativ  | 1403 | 60.5 | 10.3 | 4071  | 2 | Q6KZD1_CHICK | Q6kzd1 gallus gall  |
| 1330 | 60.5 | 10.3 | 394  | 2 | Q6Z434_ORYSA | Q6z434 oryza sativ  | 1404 | 60.5 | 10.3 | 4544  | 1 | LRP1_HUMAN   | LRP1 mus musculus   |
| 1331 | 60.5 | 10.3 | 401  | 2 | Q81L66_MOUSE | Q81l66 mus musculus | 1405 | 60.5 | 10.3 | 5193  | 1 | MUC5A_MOUSE  | MUC5A homo sapien   |
| 1332 | 60.5 | 10.3 | 407  | 2 | Q96113_DROME | Q96113 drosophila   | 1406 | 60.5 | 10.3 | 5703  | 1 | USH2A_MOUSE  | USH2A toxoplasma    |
| 1333 | 60.5 | 10.3 | 452  | 1 | ZN672_HUMAN  | Q49924 homo sapien  | 1407 | 60.5 | 10.3 | 12269 | 2 | Q1JSM5_TOXGO | Q1jsm5 toxoplasma   |
| 1334 | 60.5 | 10.3 | 454  | 2 | Q8B714_HUMAN | Q8b714 mus musculus | 1408 | 60   | 10.2 | 84    | 2 | Q8MNZ8_SCHMA | Q8mnz8 schistosoma  |
| 1335 | 60.5 | 10.3 | 499  | 2 | Q8B714_MOUSE | Q8b714 mus musculus | 1409 | 60   | 10.2 | 93    | 2 | Q6J0U3_BRACH | Q6j0u3 brachydanio  |
| 1336 | 60.5 | 10.3 | 515  | 1 | NAGPA_HUMAN  | Q9uk23 homo sapien  | 1410 | 60   | 10.2 | 97    | 2 | Q3E715_ARATH | Q3e715 arabidopsis  |
| 1337 | 60.5 | 10.3 | 533  | 2 | Q66HB8_RAT   | Q66hb8 rattus norv  | 1411 | 60   | 10.2 | 102   | 1 | 108_LYCES    | 108 lyces           |
| 1338 | 60.5 | 10.3 | 551  | 2 | Q99967_CAEL  | Q99967 caenorhabdi  | 1412 | 60   | 10.2 | 102   | 2 | Q8TBR8_HUMAN | Q8tbr8 homo sapien  |
| 1339 | 60.5 | 10.3 | 556  | 2 | Q5VXW6_HUMAN | Q5vxw6 homo sapien  | 1413 | 60   | 10.2 | 116   | 2 | Q7XK03_CAEL  | Q7xk03 caenorhabdi  |
| 1340 | 60.5 | 10.3 | 562  | 2 | Q10703_9FLAV | Q10703 gb virus c.  | 1414 | 60   | 10.2 | 118   | 2 | Q21ZP4_RHOF2 | Q21zpf4 rhodopeudo  |
| 1341 | 60.5 | 10.3 | 569  | 2 | Q7PMF9_ANOGA | Q7pmf9 anopheles g  | 1415 | 60   | 10.2 | 121   | 2 | Q6ZNW7_HUMAN | Q6zwn7 homo sapien  |
| 1342 | 60.5 | 10.3 | 591  | 2 | Q6LBN5_HUMAN | Q6lbn5 mus musculus | 1416 | 60   | 10.2 | 125   | 2 | Q4WZP5_ASPFU | Q4wzps aspergillus  |
| 1343 | 60.5 | 10.3 | 637  | 2 | Q7PFQ7_ANOGA | Q7pfq7 anopheles g  | 1417 | 60   | 10.2 | 126   | 2 | Q8T5W4_CAERE | Q8t5w4 caenorhabdi  |
| 1344 | 60.5 | 10.3 | 664  | 1 | DLLC_BRARE   | Q9iat6 brachydanio  | 1418 | 60   | 10.2 | 127   | 2 | Q8T5X2_CAERE | Q8t5x2 caenorhabdi  |
| 1345 | 60.5 | 10.3 | 680  | 2 | Q9QW15_9MURI | Q9qw15 mus sp. bet  |      |      |      |       |   |              |                     |



|      |    |      |     |   |              |                      |
|------|----|------|-----|---|--------------|----------------------|
| 1419 | 60 | 10.2 | 128 | 2 | Q8T5W8 CAERE | Q8T5w8 caenorhabdi   |
| 1420 | 60 | 10.2 | 129 | 2 | Q8T5W7 CAERE | Q8t5w7 caenorhabdi   |
| 1421 | 60 | 10.2 | 161 | 2 | Q20X76_RHOPB | Q20xt6 rhodopsin     |
| 1422 | 60 | 10.2 | 184 | 1 | ESM1_HUMAN   | Q6xw30 homo sapien   |
| 1423 | 60 | 10.2 | 185 | 2 | Q6XW9 DROYA  | Q6xiw9 drosophila    |
| 1424 | 60 | 10.2 | 211 | 2 | Q6TPK5_CHICK | Q6tpk5 gallus gall   |
| 1425 | 60 | 10.2 | 233 | 1 | YUT5_YEAST   | P39541 saccharomyc   |
| 1426 | 60 | 10.2 | 251 | 2 | Q9Y21 CAEEL  | Q95y21 caenorhabdi   |
| 1427 | 60 | 10.2 | 263 | 2 | Q182B3_CAEL  | Q182b3 caenorhabdi   |
| 1428 | 60 | 10.2 | 311 | 2 | Q37VE2_9TRYP | Q37ve2 trypanosoma   |
| 1429 | 60 | 10.2 | 320 | 2 | Q8N780_HUMAN | Q8n780 homo sapien   |
| 1430 | 60 | 10.2 | 342 | 2 | Q18744_BOVIN | Q18744 bos taurus    |
| 1431 | 60 | 10.2 | 351 | 1 | NOV_CHICK    | P28686 gallus gall   |
| 1432 | 60 | 10.2 | 366 | 2 | Q46SU2_RALEJ | Q46su2 rallostonia e |
| 1433 | 60 | 10.2 | 375 | 2 | Q4RMC1_TETNG | Q4rmc1 tetradon n    |
| 1434 | 60 | 10.2 | 383 | 2 | Q6XV4 CRINY  | Q6xv4 cryptococcu    |
| 1435 | 60 | 10.2 | 383 | 2 | Q3KA04_PSEPF | Q3ka04 pseudomonas   |
| 1436 | 60 | 10.2 | 401 | 1 | KR104_HUMAN  | P60372 homo sapien   |
| 1437 | 60 | 10.2 | 403 | 2 | Q1EC01_DROME | Q1ec01 drosophila    |
| 1438 | 60 | 10.2 | 415 | 2 | Q2GRW5_CHAGB | Q2grw5 chaetomium    |
| 1439 | 60 | 10.2 | 416 | 2 | Q4KFP7_PSEF5 | Q4kfp7 pseudomonas   |
| 1440 | 60 | 10.2 | 419 | 2 | Q32043_CROAT | Q32043 croatalus at  |
| 1441 | 60 | 10.2 | 443 | 1 | FBLN4_CRIGR  | O55058 cricetus      |
| 1442 | 60 | 10.2 | 454 | 2 | Q9AXB6_BRARE | Q9axb6 brachydanio   |
| 1443 | 60 | 10.2 | 463 | 2 | Q6DUR6_IJAP  | Q6duk6 influenza a   |
| 1444 | 60 | 10.2 | 463 | 2 | Q6PHU5_BRARE | Q6phh5 brachydanio   |
| 1445 | 60 | 10.2 | 468 | 1 | ZM672_RAT    | Q642b2 rattus norv   |
| 1446 | 60 | 10.2 | 481 | 2 | Q1Z1A3_9GAMM | Q1zia3 psychromona   |
| 1447 | 60 | 10.2 | 507 | 2 | Q4CKW3_TRYCR | Q4ckw3 trypanosoma   |
| 1448 | 60 | 10.2 | 541 | 2 | Q1WKY1_DROYA | Q1wky1 drosophila    |
| 1449 | 60 | 10.2 | 541 | 2 | Q1WKY4_DROOR | Q1wky4 drosophila    |
| 1450 | 60 | 10.2 | 542 | 2 | Q1WKY2_DROTE | Q1wky2 drosophila    |
| 1451 | 60 | 10.2 | 542 | 2 | Q1WKY3_DROSI | Q1wky3 drosophila    |
| 1452 | 60 | 10.2 | 545 | 2 | Q1WKY5_DROER | Q1wky5 drosophila    |
| 1453 | 60 | 10.2 | 566 | 2 | Q617P3_CAEBR | Q617p3 caenorhabdi   |
| 1454 | 60 | 10.2 | 569 | 2 | Q6J2K6_ORYSA | Q6j2k6 oryza sativ   |
| 1455 | 60 | 10.2 | 573 | 2 | Q5W9G8_HUMAN | Q5w9g8 homo sapien   |
| 1456 | 60 | 10.2 | 600 | 1 | MEGF9_MOUSE  | Q8bh27 mus musculu   |
| 1457 | 60 | 10.2 | 610 | 2 | Q9Y120_AGKHP | Q9y120 agkistrodon   |
| 1458 | 60 | 10.2 | 622 | 2 | Q5Y9B3_VIRIU | Q5y9b3 adeno-associ  |
| 1459 | 60 | 10.2 | 622 | 2 | Q5Y9B5_VIRIU | Q5y9b5 adeno-associ  |
| 1460 | 60 | 10.2 | 623 | 2 | Q3WB7P_9VIRU | Q3wb7p adeno-associ  |
| 1461 | 60 | 10.2 | 623 | 2 | Q56136_VIRIU | Q56136 adeno-associ  |
| 1462 | 60 | 10.2 | 623 | 2 | Q1I031_VIRIU | Q1i031 adeno-associ  |
| 1463 | 60 | 10.2 | 623 | 2 | Q1I033_VIRIU | Q1i033 adeno-associ  |
| 1464 | 60 | 10.2 | 644 | 2 | Q4REW4_TETNG | Q4rew4 tetradon n    |
| 1465 | 60 | 10.2 | 654 | 2 | Q81PP3_DROME | Q81pp3 drosophila    |
| 1466 | 60 | 10.2 | 657 | 2 | Q17Q48_AEDAE | Q17q48 aedes aegypt  |
| 1467 | 60 | 10.2 | 697 | 2 | Q8BMR4_MOUSE | Q8bmr4 mus musculu   |
| 1468 | 60 | 10.2 | 699 | 2 | Q3W1K0_9ACTO | Q3w1k0 frankia sp.   |
| 1469 | 60 | 10.2 | 708 | 2 | Q9NFS9_DROME | Q9nfs9 drosophila    |
| 1470 | 60 | 10.2 | 710 | 2 | Q9IBD5_ANGJA | Q9ibd5 anguilla ja   |
| 1471 | 60 | 10.2 | 717 | 2 | Q474X2_RALEJ | Q474x2 rallostonia e |
| 1472 | 60 | 10.2 | 719 | 2 | Q9U021_GIALA | Q9u021 giardia lam   |
| 1473 | 60 | 10.2 | 719 | 2 | Q9U019_GIALA | Q9u019 giardia lam   |
| 1474 | 60 | 10.2 | 721 | 2 | Q95Y60_CIOSA | Q95y60 ciona savig   |
| 1475 | 60 | 10.2 | 740 | 2 | Q6PIA2_HUMAN | Q6pia2 homo sapien   |
| 1476 | 60 | 10.2 | 755 | 1 | COMP_MOUSE   | Q9i096 mus musculu   |
| 1477 | 60 | 10.2 | 755 | 2 | Q8V154_MOUSE | Q8v154 mus musculu   |
| 1478 | 60 | 10.2 | 794 | 2 | Q18742_BOVIN | Q18742 bos taurus    |
| 1479 | 60 | 10.2 | 797 | 2 | Q89PY0_BRAJA | Q89py0 bradyrhizob   |
| 1480 | 60 | 10.2 | 802 | 1 | TMPS6_HUMAN  | Q8iu80 homo sapien   |
| 1481 | 60 | 10.2 | 808 | 2 | Q7T2W9_ONCMY | Q7t2w9 oncorhynch    |
| 1482 | 60 | 10.2 | 820 | 2 | Q18743_BOVIN | Q18743 bos taurus    |
| 1483 | 60 | 10.2 | 823 | 2 | Q1MSX8_BRARE | Q1msx8 brachydanio   |
| 1484 | 60 | 10.2 | 824 | 2 | Q6ICC2_HUMAN | Q6icc2 homo sapien   |
| 1485 | 60 | 10.2 | 837 | 1 | LDLR_RABIT   | P20063 oryctolagus   |
| 1486 | 60 | 10.2 | 844 | 2 | Q4CMY8_TRYCR | Q4cmv8 trypanosoma   |
| 1487 | 60 | 10.2 | 862 | 2 | Q4CRU0_TRYCR | Q4cru0 trypanosoma   |
| 1488 | 60 | 10.2 | 869 | 2 | Q6NS01_XENLA | Q6ns01 xenopus lae   |
| 1489 | 60 | 10.2 | 869 | 2 | Q42126_XENLA | Q42126 xenopus lae   |
| 1490 | 60 | 10.2 | 872 | 2 | Q6ZA49_ORYSA | Q6za49 oryza sativ   |
| 1491 | 60 | 10.2 | 893 | 2 | Q8MJK0_CERAE | Q8mjk0 cercopithec   |

ALIGNMENTS

RESULT 1

|             |                                                                                                                                                                     |                                       |      |         |  |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------|---------|--|
| PROK1_HUMAN |                                                                                                                                                                     |                                       |      |         |  |
| ID          | PROK1_HUMAN                                                                                                                                                         | STANDARD;                             | PRT; | 105 AA. |  |
| AC          | P58294;                                                                                                                                                             |                                       |      |         |  |
| DT          | 26-SEP-2001,                                                                                                                                                        | integrated into UniProtKB/Swiss-Prot. |      |         |  |
| DT          | 26-SEP-2001,                                                                                                                                                        | sequence version 1.                   |      |         |  |
| DE          | Prokineticin-1 precursor (Endocrine-gland-derived vascular endothelial growth factor) (EG-VEGF) (Mambakine).                                                        |                                       |      |         |  |
| GN          | Name=PROK1; ORFNames=UNQ600/PRO1186;                                                                                                                                |                                       |      |         |  |
| OS          | Homo sapiens (Human).                                                                                                                                               |                                       |      |         |  |
| OC          | Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini; Catarrhini; Hominidae; Homo.         |                                       |      |         |  |
| OX          | NCBI_TaxID=9606;                                                                                                                                                    |                                       |      |         |  |
| RN          | [1]                                                                                                                                                                 |                                       |      |         |  |
| RP          | NUCLEOTIDE SEQUENCE [MRNA].                                                                                                                                         |                                       |      |         |  |
| RX          | MEDLINE=21160229; PubMed=11259612;                                                                                                                                  |                                       |      |         |  |
| RA          | Li M., Bullock C.M., Knauer D.J., Ehler F.J., Zhou Q.-Y.;                                                                                                           |                                       |      |         |  |
| RT          | "Identification of two prokineticin cDNAs: recombinant proteins potentially contract gastrointestinal smooth muscle.";                                              |                                       |      |         |  |
| RL          | Mol. Pharmacol. 59:692-698(2001).                                                                                                                                   |                                       |      |         |  |
| RN          | [2]                                                                                                                                                                 |                                       |      |         |  |
| RP          | NUCLEOTIDE SEQUENCE [MRNA].                                                                                                                                         |                                       |      |         |  |
| RX          | MEDLINE=21419730; PubMed=11528470; DOI=10.1038/35091000;                                                                                                            |                                       |      |         |  |
| RA          | LeCouter J., Kowalski J., Foster J., Haas P., Zhang Z.,                                                                                                             |                                       |      |         |  |
| RA          | Dillard-Telm L., Frantz J.G., Rangell L., DeGuzman L., Keller G.-A.,                                                                                                |                                       |      |         |  |
| RA          | Peale F., Gurney A., Hillan K.J., Ferrara N.;                                                                                                                       |                                       |      |         |  |
| RT          | "Identification of an angiogenic mitogen selective for endocrine gland endothelium.";                                                                               |                                       |      |         |  |
| RL          | Nature 412:877-884(2001).                                                                                                                                           |                                       |      |         |  |
| RN          | [3]                                                                                                                                                                 |                                       |      |         |  |
| RP          | NUCLEOTIDE SEQUENCE [MRNA].                                                                                                                                         |                                       |      |         |  |
| RA          | Fraser C.;                                                                                                                                                          |                                       |      |         |  |
| RT          | "Mambakine, a snake venom related endocrine hormone that controls macrophages.";                                                                                    |                                       |      |         |  |
| RL          | Submitted (APR-2001) to the EMBL/GenBank/DBJ databases.                                                                                                             |                                       |      |         |  |
| RN          | [4]                                                                                                                                                                 |                                       |      |         |  |
| RP          | NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].                                                                                                                             |                                       |      |         |  |
| RX          | MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;                                                                                                          |                                       |      |         |  |
| RA          | Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D.T., Brush J.,                                                                                                |                                       |      |         |  |
| RA          | Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,                                                                                               |                                       |      |         |  |
| RA          | Eaton D., Foster J.S., Grimaldi C., Gu Q., Haas P.E., Heldens S.,                                                                                                   |                                       |      |         |  |
| RA          | Huang A., Kim H.S., Klinowski L., Jin Y., Johnson S., Lee J.,                                                                                                       |                                       |      |         |  |
| RA          | Lewis L., Liao D., Mark M.R., Robbie E., Sanchez C., Schoenfeld J.,                                                                                                 |                                       |      |         |  |
| RA          | Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,                                                                                                 |                                       |      |         |  |
| RA          | Vandlen R.L., Watanabe C., Wiedand D., Woods K., Xie M.-H.,                                                                                                         |                                       |      |         |  |
| RA          | Yanura D.G., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A.D.,                                                                                               |                                       |      |         |  |
| RT          | "The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment."; |                                       |      |         |  |
| RL          | Genome Res. 13:2265-2270(2003).                                                                                                                                     |                                       |      |         |  |
| RN          | [5]                                                                                                                                                                 |                                       |      |         |  |
| RP          | PROTEIN SEQUENCE OF 20-34.                                                                                                                                          |                                       |      |         |  |
| RX          | PubMed=15340161; DOI=10.1110/ps.04682504;                                                                                                                           |                                       |      |         |  |
| RA          | Zhang Z., Henzel W.J.;                                                                                                                                              |                                       |      |         |  |
| RT          | "Signal peptide prediction based on analysis of experimentally verified cleavage sites.";                                                                           |                                       |      |         |  |

RL Protein Sci. 13:2819-2824(2004).  
 CC -1- FUNCTION: Potently contract gastrointestinal (GI) smooth muscle.  
 CC Induces proliferation, migration and fenestration (the formation  
 CC of membrane discontinuities) in capillary endothelial cells  
 CC derived from endocrine glands. Has little or no effect on a  
 CC variety of other endothelial and non-endothelial cell types.  
 CC -1- SUBCELLULAR LOCATION: Secreted protein.  
 CC -1- TISSUE SPECIFICITY: Expressed in the steroidogenic glands, ovary,  
 CC testis, adrenal and placenta.  
 CC -1- SIMILARITY: Belongs to the prokinectin family.  
 CC  
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
 CC Distributed under the Creative Commons Attribution-NoDerivs License  
 CC  
 CC EMBL; AF333024; AAK49918.1; -; mRNA.  
 CC EMBL; AY029225; AAK33111.1; -; mRNA.  
 CC EMBL; AY358683; AAK89046.1; -; mRNA.  
 CC UniGene; Hs.514793; -.  
 CC HSP; P25687; 11MT.  
 CC Ensembl; ENSG00000143125; Homo sapiens.  
 CC H-InvDB; HIX0000868; -.  
 CC HGNC; HGNC:18454; PROK1.  
 CC MIM; 606233; Gene.  
 CC RZPD-ProExp; IOH11285; -.  
 CC RZPD-ProExp; RZPD0839A10127; -.  
 CC RZPD-ProExp; RZPD0839A10128; -.  
 CC RZPD-ProExp; W1161; -.  
 CC InterPro; IPR009523; Prokinectin.  
 CC PANTHER; PTHR18821; Prokinectin; 1.  
 CC Pfam; PF06607; Prokinectin; 1.  
 CC Direct protein sequencing; Growth factor; Mitogen; Signal.  
 KW SIGNAL 1 19  
 FT CHAIN 20 105  
 FT Prokinectin-1.  
 FT /FTID=PRO\_0000025807.  
 FT  
 FT DISULFID 26 38  
 FT By similarity.  
 FT DISULFID 32 50  
 FT By similarity.  
 FT DISULFID 37 78  
 FT By similarity.  
 FT DISULFID 60 86  
 FT By similarity.  
 FT DISULFID 80 96  
 FT By similarity.  
 SQ SEQUENCE 105 AA; 11715 MW; C7E3FDE30EFPB416A CRC64;  
 Query Match 100.0%; Score 589; DB 1; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 8.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGSEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGSEC 60  
 QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
 RESULT 2  
 ID Q5VWD4 HUMAN PRELIMINARY; PRT; 105 AA.  
 AC Q5VWD4  
 DT 10-MAY-2005, integrated into UniProtKB/TrEMBL.  
 DT 10-MAY-2005, sequence version 1.  
 DT 13-JUN-2006, entry version 9.  
 DE Prokinectin 1.  
 DE Name=PROK1; ORFNames=RP11-470L19.1-001;  
 GN Homo sapiens (Human).  
 OS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;  
 OC Catarrhini; Hominidae; Homo.  
 OX NCBI\_TaxID=9606;  
 RN  
 RP NUCLEOTIDE SEQUENCE.  
 RA Hall R.;  
 RL Submitted (MAY-2005) to the EMBL/GenBank/DBSJ databases.  
 RN [2]

RP NUCLEOTIDE SEQUENCE.  
 RA Wallis J.;  
 RL Submitted (MAY-2005) to the EMBL/GenBank/DBSJ databases.  
 CC  
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
 CC Distributed under the Creative Commons Attribution-NoDerivs License  
 CC  
 CC EMBL; AL390797; CAH71489.1; -; Genomic DNA.  
 CC EMBL; AL358215; CAH71489.1; JOINED; Genomic DNA.  
 CC EMBL; AL358215; CAH71402.1; -; Genomic DNA.  
 CC EMBL; AL390797; CAH71402.1; JOINED; Genomic DNA.  
 CC UniGene; Hs.514793; -.  
 CC Ensembl; ENSG00000143125; Homo sapiens.  
 CC RZPD-ProExp; IOH11285; -.  
 CC RZPD-ProExp; RZPD0839A10127; -.  
 CC RZPD-ProExp; RZPD0839A10128; -.  
 CC RZPD-ProExp; W1161; -.  
 CC InterPro; IPR009523; Prokinectin.  
 CC PANTHER; PTHR18821; Prokinectin; 1.  
 CC Pfam; PF06607; Prokinectin; 1.  
 SQ SEQUENCE 105 AA; 11715 MW; C7E3FDE30EFPB416A CRC64;  
 Query Match 100.0%; Score 589; DB 2; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 8.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGSEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGSEC 60  
 QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
 RESULT 3  
 ID Q8TC69 HUMAN PRELIMINARY; PRT; 105 AA.  
 AC Q8TC69;  
 DT 01-JUN-2002, integrated into UniProtKB/TrEMBL.  
 DT 13-JUN-2006, entry version 1.  
 DE Prokinectin 1.  
 DE Name=PROK1;  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;  
 OC Catarrhini; Hominidae; Homo.  
 OX NCBI\_TaxID=9606;  
 RN  
 RP NUCLEOTIDE SEQUENCE.  
 RC Tissue=Testis;  
 RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;  
 RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,  
 RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,  
 RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,  
 RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,  
 RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,  
 RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,  
 RA Brownstein M.J., Ustin T.B., Toshiyuki S., Carninci P., Prange C.,  
 RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullaly S.J.,  
 RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,  
 RA Richards D.K., Wuzny K.C., Hale S., Garcia A.M., Gay L.J., Gibbs R.A.,  
 RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,  
 RA Fahey J., Helton E., Kettner M., Madan A., Rodriguez S., Sanchez A.,  
 RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,  
 RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Smailus D.E.,  
 RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smallos D.E.,  
 RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;  
 RT "Generation and initial analysis of more than 15,000 full-length human  
 RT and mouse cDNA sequences."  
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).



NUCLEOTIDE SEQUENCE.

TISSUE=Compound mandibular venom gland;  
PubMed=16292255; DOI=10.1038/nature04328;  
Fry B.G., Vidal N., Norman J.A., Vonk F.J., Scheib H., Ramjan S.F.,  
Kuruppu S., Fung K., Blair Hedges S., Richardson M.K., Hodgson W.C.,  
Ignjatovic V., Summerhayes R., Kochva E.;  
"Early evolution of the venom system in lizards and snakes.";  
Nature 439:584-588(2006).

-----

Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms  
Distributed under the Creative Commons Attribution-NoDerivs License

-----

EMBL; DQ139877; AAZ75583.1; -; mRNA.  
SMR; Q2XXR7; 20-97.  
InterPro; IPR009523; Prokineticin.  
PANTHER; PTHR18821; Prokineticin; 1.  
Pfam; PF06607; Prokineticin; 1.  
Signal.  
SIGNAL 1 19 Potential.  
CHAIN 20 104 AVIToxin-VAR1.  
SEQUENCE 104 AA; 11121 MW; C25A96B3B59D3AA3 CRC64;

Query Match 62.5%; Score 368; DB 2; Length 104;  
Best Local Similarity 57.3%; Pred. No. 3e-31;  
Matches 59; Conservative 20; Mismatches 24; Indels 0; Gaps 0;

QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCAGTCCCAISLWLRGLRMCTPLGRREGC 60  
|||:::||||:|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::  
Db 1 MRSLLCAPLLLLLSAGESAVITGACDKLQCGEGMCCAVSLWIRSTRICTPLGSGEDC 60

QY 61 HPGSHKVPFRKRKHHTCCLPNLLCSRFPDGHYRCMDLNKI 103  
|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::  
Db 61 HPLSHKVPFDGQRKHHTCCLPNLVCGQTSPGYKCLPEFKNV 103

RESULT 8

Q2XXR7 VARVA PRELIMINARY; PRT; 104 AA.

ID AC Q2XXR7;  
DT 20-DEC-2005, integrated into UniProtKB/TREMBL.  
DT 20-DEC-2005, sequence version 1.  
DT 18-APR-2006, entry version 5.  
DE AVIToxin-VAR2 precursor.  
OS Varanus varius (Lace monitor).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Lepidosauria; Squamata; Scleroglossa; Anguilliformes; Varanidae; Varanus.  
NCBI\_TaxID=8559;  
[1]

NUCLEOTIDE SEQUENCE.

TISSUE=Compound mandibular venom gland;  
PubMed=16292255; DOI=10.1038/nature04328;  
Fry B.G., Vidal N., Norman J.A., Vonk F.J., Scheib H., Ramjan S.F.,  
Kuruppu S., Fung K., Blair Hedges S., Richardson M.K., Hodgson W.C.,  
Ignjatovic V., Summerhayes R., Kochva E.;  
"Early evolution of the venom system in lizards and snakes.";  
Nature 439:584-588(2006).

-----

Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms  
Distributed under the Creative Commons Attribution-NoDerivs License

-----

EMBL; DQ139878; AAZ75584.1; -; mRNA.  
SMR; Q2XXR7; 20-97.  
InterPro; IPR009523; Prokineticin.  
PANTHER; PTHR18821; Prokineticin; 1.  
Pfam; PF06607; Prokineticin; 1.  
Signal.  
SIGNAL 1 19 Potential.  
CHAIN 20 104 AVIToxin-VAR2.  
SEQUENCE 104 AA; 11191 MW; C25A83A6B59D3AA3 CRC64;

Query Match 61.6%; Score 363; DB 2; Length 104;  
Best Local Similarity 56.3%; Pred. No. 1e-30;  
Matches 58; Conservative 21; Mismatches 24; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTSVDCAVITGACERDVCGAGTCCCAISLWRLGRLMCTPLGREGREC 60  
 Db 1 MRSLLCAPLLLSLGSAGSVITGACDLOQEGGCCAVLSWIRSICTPLGSSGDC 60  
 QY 61 HPGSHKVPFFRRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNI 103  
 Db 61 HPLSHKVPFDGQRKHTCPCLPNLVCGTSPGKHKLPEFKNV 103

## RESULT 9

Q4RVU3 TETNG  
 ID Q4RVU3 TETNG PRELIMINARY; PRT; 106 AA.  
 AC Q4RVU3  
 DT 19-JUL-2005, integrated into UniProtKB/TrEMBL.  
 DT 19-JUL-2005, sequence version 1.  
 DT 07-FEB-2006, entry version 4.  
 DE Chromosome 9 SCAP14991, whole genome shotgun sequence. (Fragment).  
 GN ORFNames=GSTENG00028169001;  
 OS Tetraodon nigroviridis (Green puffer).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;  
 OC Acanthomorpha; Acanthopterygii; Percormorpha; Tetraodontiformes;  
 OC Tetraodontidae; Tetraodon.  
 OX NCBI\_TaxID=99883;  
 RN [1]

## NUCLEOTIDE SEQUENCE.

RP PubMed=15496914; DOI=10.1038/nature03025;  
 RA Jallion O., Aury J.-M., Brunet F., Petit J.-L., Stange-Thomann N.,  
 RA Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,  
 RA Nicaud S., Jaffeau D., Fisher S., Lutfalla G., Dossat C., Segurens B.,  
 RA Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,  
 RA Anhouard V., Jubin C., Cattolico L., Katinka M., Vacherie B.,  
 RA Biemont C., Skalli Z., Cattolico L., Poullain J., De Berardinis V.,  
 RA Cruaud C., Duprat S., Brottier P., Coutanceau J.-P., Gouzy J.,  
 RA Parra G., Lardier G., Chappelle C., McKernan K.J., McEwan P., Bosak S.,  
 RA Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,  
 RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,  
 RA Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,  
 RA Winkler P., Lander E.S., Weissbach J., Roest Crolius H.,  
 RT "Genome duplication in the teleost fish Tetraodon nigroviridis reveals  
 the early vertebrate proto-karyotype.";  
 RL Nature 431:946-957(2004).  
 RN [2]

## NUCLEOTIDE SEQUENCE.

RP Genoscope; Whitehead Institute Centre for Genome Research;  
 RG Submitted (FEB-2004) to the EMBL/GenBank/DBSJ databases.  
 RL -1- CAUTION: The sequence shown here is derived from an  
 CC EMBL/GenBank/DBSJ whole genome shotgun (WGS) entry which is  
 CC preliminary data.  
 CC  
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
 CC Distributed under the Creative Commons Attribution-NoDerivs License  
 CC  
 EMBL; CAAB01014991; CAG07489.1; -; Genomic\_DNA.  
 DR InterPro; IPR009523; Prokineticin.  
 DR PANTHER; PTHR18821; Prokineticin; 1.  
 DR Pfam; PF06607; Prokineticin; 1.  
 FT NON\_TER 106 106  
 SQ SEQUENCE 106 AA; 12098 MW; 8DA4DC1B388B3052 CRC64;

Query Match 54.5%; Score 321; DB 2; Length 106;  
 Best Local Similarity 56.4%; Pred. No. 3.2e-26;  
 Matches 57; Conservative 20; Mismatches 24; Indels 0; Gaps 0;

QY 4 ATRVSIIMLLVTSVDCAVITGACERDVCGAGTCCCAISLWRLGRLMCTPLGREGRECHPG 63  
 Db 5 AVLLSFLVLSWSRGAVITGAREKHMCGGLFCSVSLLRGLRMCAPRGLGDECYFF 64

QY 64 SHKVPPFRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNI 104

Db 65 SHKVPPFRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNI 105

## RESULT 10

Q863H4 BOVIN  
 ID Q863H4 BOVIN PRELIMINARY; PRT; 108 AA.  
 AC Q863H4;  
 DT 01-JUN-2003, integrated into UniProtKB/TrEMBL.  
 DT 01-JUN-2003, sequence version 1.  
 DT 07-FEB-2006, entry version 11.  
 DE Bv8/prokineticin 2-like protein splice variant.  
 OS Bos taurus (Bovine).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia;  
 OC Pecora; Bovidae; Bovinae; Bos.  
 OX NCBI\_TaxID=9913;  
 RN [1]

## NUCLEOTIDE SEQUENCE.

RP TISSUE=Testis;  
 RC MEDLINE=22612805; PubMed=12728244; DOI=10.1038/sj.embor.embor830;  
 RX Kaser A., Winklmayr M., Lepperding G., Krell G.;  
 RT "The AVIT protein family.";  
 RL EMBO Rep. 4:469-473(2003).  
 CC  
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
 CC Distributed under the Creative Commons Attribution-NoDerivs License  
 CC  
 DR EMBL; AY192558; AAP31907.1; -; mRNA.  
 DR HSSP; P25687; 1MT.  
 DR Ensembl; ENSBTAG00000019330; Bos taurus.  
 DR InterPro; IPR009523; Prokineticin.  
 DR PANTHER; PTHR18821; Prokineticin; 1.  
 DR Pfam; PF06607; Prokineticin; 1.  
 SQ SEQUENCE 108 AA; 11672 MW; C00410399A9B215E CRC64;

## Query Match

Best Local Similarity 54.0%; Score 318; DB 2; Length 108;  
 Matches 54; Conservative 15; Mismatches 27; Indels 8; Gaps 1;  
 QY 1 MRGATRVSIMLLV-----TVSDCAVITGACERDVCGAGTCCCAISLWRLGRLMCTP 52  
 Db 1 MESSRCARLLLLLLLPPLLTPAGDAVITGACDRDPQCGGMCACVSLWKSIRICTP 60  
 QY 53 LGREGEECHPGSHKVPFFRRKHHTCPCLPNLLCSRFPPDGRYRC 96  
 Db 61 MGKVGDSCHPMTRKVPFLGRMHHTCPCLPLGLACRTSFNRYTC 104

## RESULT 11

VPRA\_DENPO  
 ID VPRA\_DENPO STANDARD; PRT; 81 AA.  
 AC P25687;  
 DT 01-MAY-1992, integrated into UniProtKB/Swiss-Prot.  
 DT 19-JUL-2005, sequence version 3.  
 DT 30-MAY-2006, entry version 38.  
 DE Intestinal toxin 1 (Mamba intestinal toxin 1) (MIT1) (Venom protein A).  
 OS Dendroaspis polylepis polylepis (Black mamba).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Lepidosauria; Squamata; Scleroglossa; Serpentes; Colubroidea;  
 OC Elapidae; Elapinae; Dendroaspis.  
 OX NCBI\_TaxID=8620;  
 RN [1]

## PROTEIN SEQUENCE OF 1-80.

RP TISSUE=Venom;  
 RC MEDLINE=81115818; PubMed=7461607;  
 RX Joubert F.J., Strydom D.J.;  
 RT "Snake venom. The amino acid sequence of protein A from Dendroaspis  
 RT polylepis polylepis (black mamba) venom.";  
 RL Hoppe-Seyler's Z. Physiol. Chem. 361:1787-1794(1980).  
 RN [2]  
 RP PROTEIN SEQUENCE, AND CHARACTERIZATION.  
 RC TISSUE=Venom;  
 RX MEDLINE=20036442; PubMed=10567694; DOI=10.1016/S0014-5793(99)01459-3;  
 RA Schweitz H., Pascaud P., Diocot S., Molnier D., Lazdunski M.;

RT "MT1, a black mamba toxin with a new and highly potent activity on  
RT intestinal contraction."  
RT FEBS Lett. 461:183-188(1998).  
RN [3]  
RN STRUCTURE BY NMR OF 1-81, AND DISULFIDE BONDS.  
RC TISSUE=Venom;  
RX MEDLINE=98437381; PubMed=9761684; DOI=10.1006/jmbi.1998.2057;  
RA Boishovier J., Albrand J.-P., Blackledge M., Jaquinod M.,  
RA Schweitz H., Lazdunski M., Marion D.;  
RT "A structural homologue of colipase in black mamba venom revealed by  
RT NMR floating disulphide bridge analysis.";  
RL J. Mol. Biol. 283:205-219(1998).  
CC -1- FUNCTION: Potently contracts gastrointestinal (GI) smooth muscle.  
CC May act on potassium channels, but not on Kv1.1, Kv1.2, Kv1.3,  
CC Kv1.4, Kv1.5, Kv2.1, Kv3.4, Kv4.2, TREK-1, HERG, KCNQ1, KCNQ2,  
CC KCNQ3, IRK1, IRK2, ROMK1, GIRK1.2 and GIRK1.4.  
CC -1- SUBCELLULAR LOCATION: Secreted protein.  
CC -1- SIMILARITY: Belongs to the prokineticin family.  
CC -----  
CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
CC Distributed under the Creative Commons Attribution-NoDerivs License  
CC -----  
CC PDB; 1IMT; NMR; @=1-80.  
DR InterPro; IPR009523; Prokineticin.  
DR Pfam; PF06607; Prokineticin; 1.  
KW 3D-structure; Direct protein sequencing; Toxin.  
FT CHAIN 1 81  
FT Intestinal toxin 1.  
FT /FTid=PRO\_0000165469.  
FT  
FT DISULFID 7 19  
FT P1 13 31  
FT P2 18 59  
FT P3 41 67  
FT P4 61 77  
FT P5 72 72  
FT P6 18 18  
FT P7 22 22  
FT P8 54 54  
FT P9 5 6  
FT P10 8 9  
FT P11 10 12  
FT P12 13 13  
FT P13 15 16  
FT P14 17 21  
FT P15 23 24  
FT P16 26 27  
FT P17 29 33  
FT P18 35 35  
FT P19 37 38  
FT P20 40 41  
FT P21 43 44  
FT P22 48 49  
FT P23 52 52  
FT P24 57 58  
FT P25 62 62  
FT P26 64 65  
FT P27 67 72  
FT P28 73 74  
FT P29 75 79  
FT P30 SEQUENCE 81 AA; 8604 MW; 5F6B70343338B03 CRC64;  
Query Match 53.5%; Score 315; DB 1; Length 81;  
Best Local Similarity 62.3%; Pred. No. 1.1e-25;  
Matches 48; Conservative 14; Mismatches 15; Indels 0; Gaps 0;  
Qy 20 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEGCHPGSHKVPFFRKRKHHTCP 79  
Db 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEGCHPGSHKVPFFRKRKHHTCP 60  
Qy 80 CLPNLLCSRFPDGRYRC 96  
Db 61 CAPNLACVQTSPEKPKC 77

RESULT 12  
Q6ISRO HUMAN PRELIMINARY; PRT; 108 AA.  
AC Q6ISRO;  
DT 10-MAY-2005, integrated into UniProtKB/TrEMBL.  
DT 10-MAY-2005, sequence version 1.  
DT 25-JUL-2006, entry version 10.  
DE Prokineticin 2.  
GN Name=PROK2;  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;  
OC Catarrhini; Hominidae; Homo.  
OC NCBI\_TaxID=9606;  
RN [1]  
RN NUCLEOTIDE SEQUENCE.  
RP TISSUE=PCR rescued clones;  
RX MEDLINE=223825; PubMed=12477932; DOI=10.1073/pnas.242603899;  
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,  
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,  
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,  
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,  
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,  
RA Brownstein M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,  
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullany S.J.,  
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,  
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,  
RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,  
RA Fahey J., Helton E., Kettman M., Madan A., Rodriguez S., Sanchez A.,  
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,  
RA Blakeley R.W., Touchman J.W., Green E.D., Dickson M.C.,  
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,  
RA Butcherfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,  
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;  
RT "Generation and initial analysis of more than 15,000 full-length human  
RT and mouse cDNA sequences.";  
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).  
RN [2]  
RN NUCLEOTIDE SEQUENCE.  
RP TISSUE=PCR rescued clones;  
RX Strausberg R.;  
RA Submitted (APR-2004) to the EMBL/GenBank/DBJ databases.  
RN [3]  
RN NUCLEOTIDE SEQUENCE.  
RP TISSUE=PCR rescued clones;  
RX NIH MGC Project;  
RA Submitted (JUN-2005) to the EMBL/GenBank/DBJ databases.  
RN [4]  
RN NUCLEOTIDE SEQUENCE.  
RP TISSUE=PCR rescued clones;  
RX NIH MGC Project;  
RA Submitted (MAY-2005) to the EMBL/GenBank/DBJ databases.  
CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
CC Distributed under the Creative Commons Attribution-NoDerivs License  
CC -----  
CC EMBL; BC069395; AAH69395.1; -; mRNA.  
CC EMBL; BC098110; AAH98110.1; -; mRNA.  
CC EMBL; BC096695; AAH96695.1; -; mRNA.  
CC UniGene; Hs.528665; -;  
CC Ensemble; ENSG00000163421; Homo sapiens.  
CC RZPD-ProExp; W1362; -;  
CC InterPro; IPR009523; Prokineticin.  
CC PANTHER; PTHR18821; Prokineticin; 1.  
CC Pfam; PF06607; Prokineticin; 1.  
CC SEQUENCE 108 AA; 11659 MW; D7AF89D8551A97FC CRC64;  
Query Match 51.4%; Score 303; DB 2; Length 108;  
Best Local Similarity 55.2%; Pred. No. 2.7e-24;  
Matches 48; Conservative 15; Mismatches 24; Indels 0; Gaps 0;  
Qy 10 MLLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEGCHPGSHKVPF 69



```

Db 18 LLLTPRAGDAVITGADKDSQCGGMCCAVSIWKSIRICTPMKLGDSCHPTRRKVPF 77
Qy 70 FRKPKHHTCPLNLLSRPPDGRYRC 96
Db 76 FGRMHHTCPLNLLSRPPDGRYRC 104
Db 78 FGRMHHTCPLNLLSRPPDGRYRC 104

RESULT 13
Q8JFQO_BOMMX
ID Q8JFQO_BOMMX PRELIMINARY; PRT; 96 AA.
AC Q8JFQO;
DT 01-OCT-2002, integrated into UniProtKB/TrEMBL.
DT 01-OCT-2002, sequence version 1.
DT 07-FEB-2006, entry version 11.
DE Bv8 protein homolog 2.
OS Bombina maxima (Giant fire-bellied toad) (Chinese red belly toad).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Archeobatrachia; Bombinatoridae; Bombina.
OX NCBI_TaxID=161274;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=Skin secretions;
RX MEDLINE=22515712; PubMed=12628381; DOI=10.1016/S1096-4959(02)00294-4;
RA Lai R., Liu H., Lee W.H., Zhang Y.;
RT "Two novel Bv8-like peptides from skin secretions of the toad Bombina maxima.";
RL Comp. Biochem. Physiol. B, Biochem. Mol. Biol. 134:509-514 (2003).
CC -----
CC Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
CC Distributed under the Creative Commons Attribution-NoDerivs License
CC -----
DE EMBL: AF411091; AAN03822.1; -; mRNA.
DR HSP; P25687; IIMT.
DR InterPro; IPR009523; Prokineticin.
DR PANTHER; PTHR18821; Prokineticin; 1.
DR Pfam; PF06607; Prokineticin; 1.
SQ SEQUENCE 96 AA; 10198 MW; EC4EAA5EFB49B2F0 CRC64;

Query Match 50.7%; Score 298.5; DB 2; Length 96;
Best Local Similarity 53.6%; Pred. No. 7.2e-24;
Matches 52; Conservative 16; Mismatches 28; Indels 1; Gaps 1;

Qy 1 MRGATRVISIMLLVTGDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60
Db 1 MKCPAQIVLLVITAFSHGAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60
Qy 61 HPKSHKVPFFRRKHHTCPLNLLSRPPDGRYRC 97
Db 61 HPKSHKVPFFRRKHHTCPLNLLSRPPDGRYRC 97

RESULT 14
Q4SR12_TETNG
ID Q4SR12_TETNG PRELIMINARY; PRT; 102 AA.
AC Q4SR12;
DT 19-JUL-2005, integrated into UniProtKB/TrEMBL.
DT 19-JUL-2005, sequence version 1.
DT 07-FEB-2006, entry version 4.
DE Chromosome 11 SCAF14528, whole genome shotgun sequence. (Fragment).
GN ORFNames=GSTENG0014129001;
OS Tetraodon nigroviridis (Green puffer).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
OC Acanthomorpha; Acanthopterygii; Percormorpha; Tetraodontiformes;
OC Tetraodontidae; Tetraodontidae; Tetraodon.
OX NCBI_TaxID=99883;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RX PubMed=15496914; DOI=10.1038/nature03025;
RA Jallion O., Aury J.-M., Brunet F., Petit J.-L., Stange-Thomann N.,
RA Mauceli B., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,
RA Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,

```

```

RA Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,
RA Anhouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
RA Bimont C., Skalli Z., Cattolico L., Poulain J., De Berardinis V.,
RA Cruaud C., Duprat S., Bottier P., Coutanceau J.-P., Gouzy J.,
RA Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,
RA Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,
RA Wincker P., Lander E.S., Weissbach J., Roest Crolius H.;
RT "Genome duplication in the teleost fish Tetraodon nigroviridis reveals
RT the early vertebrate proto-karyotype.";
RL Nature 431:946-957 (2004).
RN [2]
RP NUCLEOTIDE SEQUENCE.
RG Genoscope; Whitehead Institute Centre for Genome Research;
RL Submitted (FEB-2004) to the EMBL/GenBank/DBJ databases.
CC -!- CAUTION: The sequence shown here is derived from an
CC EMBL/GenBank/DBJ whole genome shotgun (WGS) entry which is
CC preliminary data.
CC -----
CC Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
CC Distributed under the Creative Commons Attribution-NoDerivs License
CC -----
DE EMBL: CAAS01014528; CAF96920.1; -; Genomic DNA.
DR InterPro; IPR009523; Prokineticin.
DR PANTHER; PTHR18821; Prokineticin; 1.
DR Pfam; PF06607; Prokineticin; 1.
FT NON TER 102 102
SQ SEQUENCE 102 AA; 11062 MW; 470A2CDF2D069043 CRC64;

Query Match 50.6%; Score 298; DB 2; Length 102;
Best Local Similarity 57.8%; Pred. No. 8.6e-24;
Matches 52; Conservative 9; Mismatches 15; Indels 14; Gaps 1;

Qy 11 LLLVTGDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLRGEGECBP----- 62
Db 11 LLLVTGDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLRGEGECBP----- 62
Qy 63 -----GSHKVPFFRRKHHTCPLNLLC 86
Db 71 VEQSSSSSFQVFFGKRLHHTCPLNLLC 100

RESULT 15
PROK2_RAT
ID PROK2_RAT STANDARD; PRT; 107 AA.
AC Q8R413;
DT 02-AUG-2002, integrated into UniProtKB/Swiss-Prot.
DT 01-JUN-2002, sequence version 1.
DT 18-APR-2006, entry version 26.
DE Prokineticin-2 precursor (PK2).
GN Name=Prok2; Synonyms=Bv8;
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
OC Muridea; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RP NUCLEOTIDE SEQUENCE [MRNA].
RC STRAIN=Sprague-Dawley;
RX MEDLINE=22050031; PubMed=12054613; DOI=10.1016/S0006-291X(02)00239-5;
RA Masuda Y., Takatsu Y., Terao Y., Kumano S., Ishibashi Y., Suenaga M.,
RA Abe M., Fukusumi S., Watanabe T., Shintani Y., Yamada T., Hinuma S.,
RA Inatomi N., Ohtaki T., Onda H., Fujino M.;
RT "Isolation and identification of EG-VEGF/prokineticins as cognate
RT ligands for two orphan G-protein-coupled receptors.";
RL Biochem. Biophys. Res. Commun. 293:396-402 (2002).
RN [2]
RP EFFECT ON CIRCADIAN LOCOMOTOR ACTIVITY.
RX MEDLINE=2202134; PubMed=12024206; DOI=10.1038/417405a;
RA Cheng M.Y., Bullock C.M., Li C., Lee A.G., Bernak J.C., Belluzzi J.,
RA Weaver D.R., Leslie F.M., Zhou Q.-Y.;
RT "Prokineticin 2 transmits the behavioural circadian rhythm of the

```



suprachiasmatic nucleus.";

-!- NATURE 417:405-410(2002).

-!- FUNCTION: May function as an output molecule from the suprachiasmatic nucleus (SCN) that transmits behavioral circadian rhythm. May also function locally within the SCN to synchronize output. Potently contracts gastrointestinal (GI) smooth muscle (By similarity).

-!- SUBCELLULAR LOCATION: Secreted protein (By similarity).

-!- TISSUE SPECIFICITY: Expressed at high levels in testis and at lower levels in brain, lung, ovary, spleen, thymus and uterus.

-!- INDUCTION: Activated by CLOCK and BMAL1 heterodimers and light; inhibited by period genes (PER1, PER2 and PER3) and cryptochrome genes (CRY1 and CRY2) (Probable).

-!- SIMILARITY: Belongs to the prokinectin family.

Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>

Distributed under the Creative Commons Attribution-NoDerivs License

-----

EMBL: AY089984; AAC09105.1; -; mRNA.

UniGene: Rn.82766; --

HSSP: P25687; 1IMT.

Ensembl: ENSRNOG0000010898; Rattus norvegicus.

RGD: 620280; Prok2.

GO: GO:0001664; F:G-protein-coupled receptor binding; IDA.

InterPro: IPR009523; Prokineticin.

PANTHER: PTHR18821; Prokineticin; 1.

Pfam: PF06607; Prokineticin; 1.

Biological rhythms; Neuropeptide; Signal.

SIGNAL 1 26 Potential.

CHAIN 1 27

FTID: PROKINECTIN-2.  
/FTID=PRO\_0000025811.

DISULFID 33 45 By similarity.

DISULFID 39 57 By similarity.

DISULFID 44 85 By similarity.

DISULFID 67 93 By similarity.

DISULFID 87 103 By similarity.

SEQUENCE 107 AA; BDFP31CDBCE5PED0 CRC64;

|    | Query Match           | 50.6%                              | Score 298;                   | DB 1;          | Length 107;       |
|----|-----------------------|------------------------------------|------------------------------|----------------|-------------------|
|    | Best Local Similarity | 54.0%;                             | Pred. No. 9e-24;             |                |                   |
|    | Matches               | 47;                                | Conservative 16;             | Mismatches 24; | Indels 0; Gaps 0; |
| QY | 10                    | MLLLTVSDCAVITGACERDVQCGACGTCCAI    | SLWLRLMCTPLRGEGECBPGSHKVPF   | 69             |                   |
|    |                       | :                                  | :                            | :              | :                 |
|    |                       | :                                  | :                            | :              | :                 |
| Db | 17                    | LLLTTPAGDAAVITGACDKDSQCGGGMCCCAVSI | WVKISIRICTPMQGVGDSCHBLTRKVPF | 76             |                   |
|    |                       | :                                  | :                            | :              | :                 |
|    |                       | :                                  | :                            | :              | :                 |
| QY | 70                    | FRKRKHHTCPCLPNLLCSRFPDGRYRC        | 96                           |                |                   |
|    |                       | :                                  | :                            | :              | :                 |
|    |                       | :                                  | :                            | :              | :                 |
| Db | 77                    | WGRRMHHTCPCLPGLACLRTSFNRFTC        | 103                          |                |                   |
|    |                       | :                                  | :                            | :              | :                 |
|    |                       | :                                  | :                            | :              | :                 |

Search completed: November 29, 2007, 17:25:53  
Job time : 227.555 secs

GenCore version 6.2.1  
Copyright (c) 1993 - 2007 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: November 29, 2007, 17:18:33 ; Search time 15 Seconds

(without alignments)  
656.336 Million cell updates/sec

Title: US-10-692-299-2

Perfect score: 589

Sequence: 1 MRGNTRVSIMLLLVTSDC.....CSRFPDGRYRCMDLKNINF 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database :

1: PIR.80.\*

2: PIR2.\*

3: PIR3.\*

4: PIR4.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------|
| 1          | 100.5 | 17.1        | 350    | 2     | JC7188      |
| 2          | 88.5  | 15.0        | 640    | 2     | T08179      |
| 3          | 83    | 14.1        | 1101   | 2     | T16840      |
| 4          | 81    | 13.8        | 1964   | 2     | T09059      |
| 5          | 79    | 13.4        | 112    | 1     | XLHU        |
| 6          | 77.5  | 13.2        | 473    | 2     | A55035      |
| 7          | 77    | 13.1        | 251    | 2     | A55035      |
| 8          | 75.5  | 12.8        | 1574   | 2     | T13954      |
| 9          | 75    | 12.7        | 734    | 2     | JC4861      |
| 10         | 75    | 12.7        | 2318   | 2     | A53306      |
| 11         | 75    | 12.7        | 2531   | 2     | T31070      |
| 12         | 74    | 12.6        | 112    | 2     | I51909      |
| 13         | 74    | 12.6        | 1620   | 2     | T27283      |
| 14         | 73    | 12.4        | 461    | 1     | A35356      |
| 15         | 73    | 12.4        | 3075   | 2     | SL4458      |
| 16         | 72.5  | 12.3        | 643    | 2     | T25473      |
| 17         | 72.5  | 12.3        | 2871   | 2     | A55567      |
| 18         | 72.5  | 12.3        | 3002   | 2     | A47221      |
| 19         | 72    | 12.2        | 1639   | 1     | MMFFB2      |
| 20         | 71.5  | 12.1        | 591    | 2     | I48141      |
| 21         | 71.5  | 12.1        | 601    | 2     | B36346      |
| 22         | 71.5  | 12.1        | 683    | 2     | C36346      |
| 23         | 71.5  | 12.1        | 1178   | 1     | A39804      |
| 24         | 71.5  | 12.1        | 1854   | 2     | T13576      |
| 25         | 71    | 12.1        | 286    | 2     | S34665      |
| 26         | 71    | 12.1        | 593    | 1     | GRHU        |
| 27         | 70.5  | 12.0        | 1847   | 2     | T18308      |
| 28         | 70.5  | 12.0        | 2871   | 2     | A55624      |
| 29         | 69.5  | 11.8        | 802    | 2     | T24293      |

|     |      |      |      |   |        |
|-----|------|------|------|---|--------|
| 30  | 69.5 | 11.8 | 949  | 2 | T24294 |
| 31  | 69.5 | 11.8 | 2352 | 2 | T30201 |
| 32  | 69.5 | 11.8 | 4545 | 1 | S25111 |
| 33  | 69   | 11.7 | 2918 | 2 | A54105 |
| 34  | 69   | 11.7 | 3133 | 2 | S52093 |
| 35  | 69   | 11.7 | 3712 | 2 | S18253 |
| 36  | 68.5 | 11.6 | 728  | 2 | I50719 |
| 37  | 68.5 | 11.6 | 850  | 2 | T14450 |
| 38  | 68.5 | 11.6 | 884  | 2 | T18649 |
| 39  | 68.5 | 11.6 | 1172 | 2 | A42587 |
| 40  | 68.5 | 11.6 | 1376 | 2 | G00043 |
| 41  | 68   | 11.5 | 112  | 2 | A46717 |
| 42  | 68   | 11.5 | 345  | 2 | T25138 |
| 43  | 68   | 11.5 | 358  | 2 | T25137 |
| 44  | 68   | 11.5 | 427  | 1 | GQHUN  |
| 45  | 68   | 11.5 | 547  | 2 | A33901 |
| 46  | 68   | 11.5 | 586  | 1 | WMBEDE |
| 47  | 68   | 11.5 | 1119 | 2 | A88481 |
| 48  | 68   | 11.5 | 1150 | 2 | A41641 |
| 49  | 68   | 11.5 | 2215 | 2 | T00348 |
| 50  | 68   | 11.5 | 5147 | 1 | IJFTFM |
| 51  | 67.5 | 11.5 | 108  | 2 | C88450 |
| 52  | 67.5 | 11.5 | 895  | 2 | T49010 |
| 53  | 67.5 | 11.5 | 1184 | 2 | A55184 |
| 54  | 67.5 | 11.5 | 1469 | 2 | B36665 |
| 55  | 67.5 | 11.5 | 1480 | 2 | A36665 |
| 56  | 67.5 | 11.5 | 1687 | 2 | T30176 |
| 57  | 67   | 11.4 | 237  | 2 | S45463 |
| 58  | 67   | 11.4 | 993  | 2 | I48653 |
| 59  | 67   | 11.4 | 1172 | 1 | TSHUP2 |
| 60  | 67   | 11.4 | 1220 | 2 | A56136 |
| 61  | 67   | 11.4 | 1722 | 2 | B89753 |
| 62  | 67   | 11.4 | 2321 | 2 | S78549 |
| 63  | 67   | 11.4 | 2437 | 2 | S42612 |
| 64  | 67   | 11.4 | 2825 | 2 | T14271 |
| 65  | 67   | 11.4 | 2907 | 2 | A57278 |
| 66  | 66.5 | 11.3 | 589  | 2 | B38128 |
| 67  | 66.5 | 11.3 | 589  | 2 | B38128 |
| 68  | 66.5 | 11.3 | 1111 | 2 | T26972 |
| 69  | 66.5 | 11.3 | 1221 | 2 | A49457 |
| 70  | 66.5 | 11.3 | 3020 | 2 | A43932 |
| 71  | 66   | 11.2 | 1327 | 2 | D70759 |
| 72  | 66   | 11.2 | 1743 | 2 | T26859 |
| 73  | 65.5 | 11.1 | 459  | 2 | I48854 |
| 74  | 65.5 | 11.1 | 722  | 2 | I48324 |
| 75  | 65.5 | 11.1 | 2555 | 2 | A40043 |
| 76  | 65.5 | 11.1 | 3635 | 2 | T10053 |
| 77  | 65   | 11.0 | 143  | 2 | B21761 |
| 78  | 65   | 11.0 | 302  | 2 | S65021 |
| 79  | 65   | 11.0 | 328  | 2 | S42152 |
| 80  | 65   | 11.0 | 329  | 2 | T07000 |
| 81  | 65   | 11.0 | 329  | 2 | T06999 |
| 82  | 65   | 11.0 | 1295 | 2 | A32901 |
| 83  | 65   | 11.0 | 2139 | 2 | A35672 |
| 84  | 64.5 | 11.0 | 191  | 2 | H71370 |
| 85  | 64.5 | 11.0 | 823  | 2 | S18968 |
| 86  | 64.5 | 11.0 | 1790 | 1 | MMFFB1 |
| 87  | 64   | 10.9 | 117  | 2 | H72706 |
| 88  | 64   | 10.9 | 130  | 1 | KRSHJA |
| 89  | 64   | 10.9 | 178  | 2 | A23219 |
| 90  | 64   | 10.9 | 217  | 2 | A98196 |
| 91  | 64   | 10.9 | 225  | 2 | A86043 |
| 92  | 64   | 10.9 | 325  | 2 | B43692 |
| 93  | 64   | 10.9 | 425  | 1 | A26431 |
| 94  | 64   | 10.9 | 587  | 1 | WMBETE |
| 95  | 64   | 10.9 | 723  | 2 | PN0509 |
| 96  | 64   | 10.9 | 1143 | 2 | T22952 |
| 97  | 64   | 10.9 | 1984 | 2 | T13171 |
| 98  | 63.5 | 10.8 | 682  | 2 | A69170 |
| 99  | 63.5 | 10.8 | 782  | 2 | A61625 |
| 100 | 63.5 | 10.8 | 905  | 2 | T23229 |
| 101 | 63.5 | 10.8 | 3707 | 2 | S18252 |
| 102 | 63.5 | 10.8 | 5376 | 2 | T42215 |

hypothetical prote  
Notch homolog prot  
alpha-2-macroglobu  
fibrillin-2 precu  
hemocytin - silkw  
laminin alpha-1 ch  
C-Delta-1 - chicke  
serine/threonine k  
hypothetical prote  
thrombospondin 2 p  
osteonidogen - hum  
colipase precursor  
hypothetical prote  
hypothetical prote  
nerve growth facto  
mannosyl-oligosacc  
65K early nonstruc  
protein C16A3.6 [i  
mannosyl-oligosacc  
LR11 protein - mou  
cadherin-related t  
protein F21H11.4 [i  
hypothetical prote  
fibrulin-2 precursor  
slit protein 2 pre  
slit protein 1 pre  
EGF repeat transme  
probable membrane  
mouse developmenta  
thrombospondin 2 p  
jagged protein pre  
protein Fil1C7.4 [i  
notch3 protein - h  
transmembrane prot  
Doc4 protein, stre  
fibrillin-2 precu  
epithelin/granulin  
epithelin/granulin  
hypothetical prote  
fibrulin-2 precursor  
mucin 2 precursor,  
probable otsB prot  
hypothetical prote  
gene murine tumou  
DELTA-like 1 - mou  
notch protein homo  
laminin alpha 5 ch  
high cysteine chor  
chitinase (EC 3.2.  
chitinase (EC 3.2.  
urinary plasminoge  
chitinase (EC 3.2.  
glp1 protein precu  
crumbs protein - f  
hypothetical prote  
cytostatin precurs  
laminin beta-1 cha  
hypothetical prote  
keratin high-sulfu  
high-cysteine chor  
hypothetical prote  
probable transposa  
T2 protein - rabbi  
nerve growth facto  
65K early nonstruc  
integrin beta-3 ch  
hypothetical prote  
probable vitellog  
UDP-N-acetylmuram  
tenascin-like prot  
hypothetical prote  
heparan sulfate pr  
zonadhesin - mouse

|     |      |      |      |   |        |                    |     |      |      |      |   |        |                     |
|-----|------|------|------|---|--------|--------------------|-----|------|------|------|---|--------|---------------------|
| 103 | 63   | 10.7 | 95   | 1 | XLPG2  | colipase II precu  | 176 | 60   | 10.2 | 351  | 2 | S20078 | NOV protein - chic  |
| 104 | 63   | 10.7 | 350  | 2 | T37511 | probable phosphor  | 177 | 60   | 10.2 | 419  | 2 | S41607 | atrolysin A (EC 3.  |
| 105 | 63   | 10.7 | 359  | 1 | B64321 | conserved hypotet  | 178 | 60   | 10.2 | 419  | 2 | A59414 | metalloproteinase   |
| 106 | 63   | 10.7 | 369  | 2 | A85771 | hypothetical prote | 179 | 60   | 10.2 | 589  | 2 | T43210 | fibulin-1D precu    |
| 107 | 63   | 10.7 | 369  | 2 | E90922 | hypothetical prote | 180 | 60   | 10.2 | 837  | 1 | A29512 | LDL receptor precu  |
| 108 | 63   | 10.7 | 689  | 2 | T42760 | fibulin, splice fo | 181 | 60   | 10.2 | 869  | 1 | JC4858 | VLDL receptor prec  |
| 109 | 63   | 10.7 | 712  | 2 | T42990 | fibulin 1, splice  | 182 | 60   | 10.2 | 905  | 2 | T02205 | Lu-ECM-1 protein    |
| 110 | 63   | 10.7 | 735  | 2 | G02937 | fertilin beta - cr | 183 | 60   | 10.2 | 996  | 2 | JE0237 | apolipoprotein E r  |
| 111 | 62.5 | 10.6 | 308  | 2 | JC7125 | epidermal growth f | 184 | 60   | 10.2 | 1142 | 2 | T30272 | hypothetical prote  |
| 112 | 62.5 | 10.6 | 360  | 2 | AH2272 | fructose-bisphosph | 185 | 60   | 10.2 | 1203 | 2 | A49175 | Motch B protein -   |
| 113 | 62.5 | 10.6 | 645  | 2 | T22178 | hypothetical prote | 186 | 60   | 10.2 | 1337 | 2 | T16860 | hypothetical prote  |
| 114 | 62.5 | 10.6 | 685  | 2 | S78040 | fibulin, splice fo | 187 | 60   | 10.2 | 1547 | 2 | JQ0096 | hypothetical 178K   |
| 115 | 62.5 | 10.6 | 705  | 2 | S34968 | fibulin, splice fo | 188 | 60   | 10.2 | 1607 | 2 | T43212 | insulin-like growt  |
| 116 | 62.5 | 10.6 | 895  | 1 | IUXLCP | EP-cadherin precu  | 189 | 60   | 10.2 | 1680 | 2 | A43434 | furin (EC 3.4.21.7  |
| 117 | 62.5 | 10.6 | 907  | 2 | T27317 | hypothetical prote | 190 | 59.5 | 10.1 | 128  | 2 | S32936 | hypothetical prote  |
| 118 | 62.5 | 10.6 | 4135 | 2 | T42629 | tenascin-X - bovin | 191 | 59.5 | 10.1 | 186  | 2 | T32656 | hypothetical prote  |
| 119 | 62   | 10.5 | 92   | 1 | S36658 | proteinase inhibit | 192 | 59.5 | 10.1 | 886  | 2 | A57172 | probable hormone r  |
| 120 | 62   | 10.5 | 491  | 2 | T21421 | hypothetical prote | 193 | 59.5 | 10.1 | 925  | 2 | T37475 | lipoprotein recept  |
| 121 | 62   | 10.5 | 998  | 2 | S37627 | protein-tyrosine k | 194 | 59.5 | 10.1 | 952  | 2 | T18900 | disintegrin and me  |
| 122 | 62   | 10.5 | 1113 | 2 | JE0315 | low-density lipopr | 195 | 59.5 | 10.1 | 1245 | 1 | MMMSND | nidogen precursor   |
| 123 | 62   | 10.5 | 1170 | 1 | TSHUP1 | thrombospondin 1 p | 196 | 59.5 | 10.1 | 2823 | 2 | F87908 | protein T22A3.8 [i  |
| 124 | 62   | 10.5 | 1170 | 2 | A40558 | thrombospondin 1 p | 197 | 59.5 | 10.1 | 2823 | 2 | T23064 | hypothetical prote  |
| 125 | 62   | 10.5 | 1522 | 2 | H83380 | protein T22F7.3 [i | 198 | 59.5 | 10.1 | 3102 | 2 | T43291 | laminin alpha chai  |
| 126 | 62   | 10.5 | 1523 | 2 | T13953 | MEGF5 protein - ra | 199 | 59   | 10.0 | 96   | 2 | SI4018 | hypothetical prote  |
| 127 | 62   | 10.5 | 1599 | 2 | T16210 | hypothetical prote | 200 | 59   | 10.0 | 131  | 1 | KRSHA3 | keratin high-sulfu  |
| 128 | 62   | 10.5 | 2195 | 2 | T34264 | hypothetical prote | 201 | 59   | 10.0 | 132  | 1 | KRG73J | keratin high-sulfu  |
| 129 | 61.5 | 10.4 | 83   | 2 | T26545 | hypothetical prote | 202 | 59   | 10.0 | 141  | 2 | S54236 | Ig mu heavy chain   |
| 130 | 61.5 | 10.4 | 220  | 2 | A95956 | hypothetical prote | 203 | 59   | 10.0 | 186  | 2 | A28401 | agglutinin isolect  |
| 131 | 61.5 | 10.4 | 277  | 2 | T37552 | hypothetical prote | 204 | 59   | 10.0 | 315  | 2 | B84654 | probable CCCH-type  |
| 132 | 61.5 | 10.4 | 322  | 1 | S37344 | OX40 homolog - hum | 205 | 59   | 10.0 | 319  | 2 | A53502 | follicstatin - Afri |
| 133 | 61.5 | 10.4 | 373  | 2 | T34126 | chitinase (EC 3.2. | 206 | 59   | 10.0 | 474  | 2 | B38634 | tumor necrosis fac  |
| 134 | 61.5 | 10.4 | 1373 | 2 | JE0095 | hypothetical prote | 207 | 59   | 10.0 | 616  | 2 | T29234 | fibroin-3 related   |
| 135 | 61.5 | 10.4 | 2150 | 2 | T32497 | gastric mucin WUC5 | 208 | 59   | 10.0 | 670  | 2 | T49510 | RNA-2 polyprotein   |
| 136 | 61.5 | 10.4 | 2471 | 2 | A49128 | hypothetical prote | 209 | 59   | 10.0 | 930  | 2 | T34334 | hypothetical prote  |
| 137 | 61.5 | 10.4 | 2946 | 2 | T15840 | cell-fate determin | 210 | 59   | 10.0 | 1106 | 2 | T18739 | hypothetical prote  |
| 138 | 61.5 | 10.4 | 4006 | 2 | T09070 | hypothetical prote | 211 | 59   | 10.0 | 1170 | 2 | A53612 | laminin B1k chain   |
| 139 | 61   | 10.4 | 93   | 2 | JE0159 | probable tenascin  | 212 | 59   | 10.0 | 1360 | 2 | F96596 | hypothetical prote  |
| 140 | 61   | 10.4 | 95   | 2 | S53510 | gibberellin-stimul | 213 | 59   | 10.0 | 1408 | 2 | S16148 | gene serrate prote  |
| 141 | 61   | 10.4 | 141  | 2 | T42112 | pancreatic colipas | 214 | 59   | 10.0 | 1429 | 2 | S06434 | homeotic protein 1  |
| 142 | 61   | 10.4 | 111  | 2 | I48204 | colipase - nutria  | 215 | 59   | 10.0 | 2616 | 2 | A57096 | nudel protein prec  |
| 143 | 61   | 10.4 | 269  | 2 | T26957 | hypothetical prote | 216 | 59   | 10.0 | 3084 | 1 | MMMSA  | laminin alpha-1 ch  |
| 144 | 61   | 10.4 | 283  | 2 | E88597 | protein Y47D3B.6 [ | 217 | 59   | 10.0 | 220  | 2 | T21730 | hypothetical prote  |
| 145 | 61   | 10.4 | 309  | 2 | E86937 | conserved hypotet  | 218 | 58.5 | 9.9  | 236  | 2 | T05695 | pathogenesis-relat  |
| 146 | 61   | 10.4 | 383  | 2 | D88633 | protein F56B3.2 [i | 219 | 58.5 | 9.9  | 287  | 1 | S75925 | DNA-formamidopyrim  |
| 147 | 61   | 10.4 | 451  | 2 | T30603 | perlecan homolog 2 | 220 | 58.5 | 9.9  | 297  | 2 | H69609 | hypothetical prote  |
| 148 | 61   | 10.4 | 593  | 1 | S25062 | triacylglycerol li | 221 | 58.5 | 9.9  | 316  | 2 | S65020 | chitinase (EC 3.2.  |
| 149 | 61   | 10.4 | 601  | 2 | A27020 | DIP-induced preta  | 222 | 58.5 | 9.9  | 329  | 2 | S08627 | chitinase (EC 3.2.  |
| 150 | 61   | 10.4 | 738  | 2 | S40992 | hypothetical prote | 223 | 58.5 | 9.9  | 358  | 2 | T34128 | hypothetical prote  |
| 151 | 61   | 10.4 | 739  | 2 | B88553 | protein K04H4.2b [ | 224 | 58.5 | 9.9  | 455  | 1 | G0HUT1 | tumor necrosis fac  |
| 152 | 61   | 10.4 | 1192 | 2 | S69000 | laminin gamma 2 ch | 225 | 58.5 | 9.9  | 496  | 2 | S51658 | tyrosine kinase -   |
| 153 | 61   | 10.4 | 1251 | 2 | A57293 | latent transformin | 226 | 58.5 | 9.9  | 503  | 2 | A49431 | activin/TGF-beta-1  |
| 154 | 61   | 10.4 | 1955 | 1 | AGCH   | agrin precursor -  | 227 | 58.5 | 9.9  | 601  | 2 | D89711 | protein F40B10.4 [  |
| 155 | 61   | 10.4 | 2476 | 2 | T34022 | zonadhesin - pig   | 228 | 58.5 | 9.9  | 601  | 2 | T22025 | hypothetical prote  |
| 156 | 60.5 | 10.3 | 90   | 2 | S69487 | bombayin B-7 precu | 229 | 58.5 | 9.9  | 712  | 1 | S12100 | transferrin precu   |
| 157 | 60.5 | 10.3 | 96   | 2 | C86649 | hypothetical prote | 230 | 58.5 | 9.9  | 712  | 2 | S32659 | integrin beta 2 ch  |
| 158 | 60.5 | 10.3 | 99   | 2 | S60231 | gibberellin-regula | 231 | 58.5 | 9.9  | 772  | 2 | S32659 | 106.6K protein kin  |
| 159 | 60.5 | 10.3 | 129  | 2 | A72606 | hypothetical prote | 232 | 58.5 | 9.9  | 962  | 1 | TVBE14 | laminin B2t chain   |
| 160 | 60.5 | 10.3 | 289  | 2 | A84812 | probable aquaporin | 233 | 58.5 | 9.9  | 1193 | 2 | A44018 | proteolysis - se    |
| 161 | 60.5 | 10.3 | 324  | 2 | S20981 | chitinase (EC 3.2. | 234 | 58.5 | 9.9  | 1297 | 2 | T30274 | collagen alpha 2(I  |
| 162 | 60.5 | 10.3 | 349  | 2 | A40551 | connective tissue  | 235 | 58.5 | 9.9  | 1712 | 1 | CGHU2B | masking protein pr  |
| 163 | 60.5 | 10.3 | 370  | 2 | A02889 | conserved hypotet  | 236 | 58.5 | 9.9  | 3507 | 2 | T34513 | hypothetical prote  |
| 164 | 60.5 | 10.3 | 385  | 2 | S37118 | homeotic protein d | 237 | 58.5 | 9.9  | 3566 | 1 | A40701 | tenascin-X precu    |
| 165 | 60.5 | 10.3 | 385  | 2 | A54785 | preadipocyte facto | 238 | 58.5 | 9.9  | 4391 | 2 | A38096 | perlecan precursor  |
| 166 | 60.5 | 10.3 | 387  | 2 | B49175 | Motch A protein -  | 239 | 58.5 | 9.9  | 46   | 2 | A44794 | antimicrobial pept  |
| 167 | 60.5 | 10.3 | 574  | 2 | B88465 | protein B0244.8 [i | 240 | 58   | 9.8  | 170  | 2 | H83404 | probable ferredoxi  |
| 168 | 60.5 | 10.3 | 680  | 2 | PN0510 | integrin beta-3 ch | 241 | 58   | 9.8  | 234  | 2 | T44731 | hypothetical prote  |
| 169 | 60.5 | 10.3 | 1104 | 2 | I38869 | transcription fact | 242 | 58   | 9.8  | 268  | 2 | A50195 | 4-amino-4-deoxycho  |
| 170 | 60.5 | 10.3 | 2531 | 2 | A46019 | notch-1 protein -  | 243 | 58   | 9.8  | 354  | 2 | T22274 | hypothetical prote  |
| 171 | 60.5 | 10.3 | 2703 | 1 | A24420 | alpha-2-macroglobu | 244 | 58   | 9.8  | 383  | 2 | S53716 | delta-like homeoti  |
| 172 | 60.5 | 10.3 | 4544 | 1 | S02392 | protein 108 precu  | 245 | 58   | 9.8  | 755  | 2 | A44315 | cartilage oligomer  |
| 173 | 60   | 10.2 | 102  | 2 | S26409 | hypothetical prote | 246 | 58   | 9.8  | 798  | 2 | T22793 | hypothetical prote  |
| 174 | 60   | 10.2 | 233  | 2 | S46639 | hypothetical prote | 247 | 58   | 9.8  | 891  | 2 | H86306 | F20D23.20 protein   |
| 175 | 60   | 10.2 | 263  | 2 | T27641 | hypothetical prote | 248 | 58   | 9.8  |      |   |        |                     |

|     |      |     |      |   |        |                     |     |      |     |      |   |        |                     |
|-----|------|-----|------|---|--------|---------------------|-----|------|-----|------|---|--------|---------------------|
| 249 | 58   | 9.8 | 898  | 2 | T14764 | hypothetical prote  | 322 | 56.5 | 9.6 | 1622 | 2 | J50378 | DNA (cytosine-5-) - |
| 250 | 58   | 9.8 | 984  | 2 | T00326 | hypothetical prote  | 323 | 56.5 | 9.6 | 3623 | 2 | T08618 | intrinsic factor-B  |
| 251 | 58   | 9.8 | 1194 | 2 | T03818 | apoptotic proteina  | 324 | 56.5 | 9.6 | 4753 | 1 | A47437 | IDL-receptor-relat  |
| 252 | 58   | 9.8 | 1217 | 1 | EGMSMG | epidermal growth f  | 325 | 56   | 9.5 | 254  | 2 | I48603 | insulin-like growt  |
| 253 | 58   | 9.8 | 1292 | 2 | T09229 | galactose binding   | 326 | 56   | 9.5 | 264  | 2 | T52104 | GATA-binding trans  |
| 254 | 58   | 9.8 | 1311 | 2 | T33757 | hypothetical prote  | 327 | 56   | 9.5 | 265  | 2 | H84867 | probable endochiti  |
| 255 | 58   | 9.8 | 1428 | 2 | T08852 | lustrin A - Califo  | 328 | 56   | 9.5 | 320  | 2 | T14624 | hypothetical prote  |
| 256 | 58   | 9.8 | 1522 | 2 | T00028 | brain-specific ang  | 329 | 56   | 9.5 | 325  | 2 | S03212 | hypothetical prote  |
| 257 | 57.5 | 9.8 | 196  | 2 | T26943 | hypothetical prote  | 330 | 56   | 9.5 | 330  | 2 | T52606 | squamosa promoter   |
| 258 | 57.5 | 9.8 | 279  | 2 | C70458 | diaminopimelate ep  | 331 | 56   | 9.5 | 391  | 2 | C86347 | F24J8.6 protein -   |
| 259 | 57.5 | 9.8 | 306  | 2 | S51361 | folliculin-relate   | 332 | 56   | 9.5 | 434  | 1 | A35005 | u-plasminogen acti  |
| 260 | 57.5 | 9.8 | 375  | 1 | S66272 | alcohol dehydrogen  | 333 | 56   | 9.5 | 442  | 1 | UXPG   | gene Tt52 protein   |
| 261 | 57.5 | 9.8 | 458  | 2 | AF0631 | probable 4-hydroxy  | 334 | 56   | 9.5 | 478  | 2 | S47040 | disintegrin (EC 3.  |
| 262 | 57.5 | 9.8 | 568  | 2 | F86291 | hypothetical prote  | 335 | 56   | 9.5 | 491  | 2 | S52920 | hypothetical prote  |
| 263 | 57.5 | 9.8 | 686  | 2 | S43562 | KOBE5.3 protein -   | 336 | 56   | 9.5 | 548  | 2 | T16642 | squamosa promoter   |
| 264 | 57.5 | 9.8 | 710  | 2 | T46589 | ropy-2 protein (im  | 337 | 56   | 9.5 | 801  | 2 | T52605 | S-receptor kinase   |
| 265 | 57.5 | 9.8 | 810  | 2 | T10756 | Nel-homolog protei  | 338 | 56   | 9.5 | 849  | 1 | T05181 | complement C6 prec  |
| 266 | 57.5 | 9.8 | 1036 | 2 | T17405 | scavenger receptor  | 339 | 56   | 9.5 | 934  | 1 | A34372 | protein-tyrosine k  |
| 267 | 57.5 | 9.8 | 1046 | 2 | A26838 | prestalk receptor p | 340 | 56   | 9.5 | 1136 | 1 | S57845 | RNA polymerase (EC  |
| 268 | 57.5 | 9.8 | 1356 | 2 | JCL402 | protein-tyrosine k  | 341 | 56   | 9.5 | 1661 | 2 | T43260 | laminin beta-1 cha  |
| 269 | 57.5 | 9.8 | 1801 | 1 | MMRTS  | laminin beta-2 cha  | 342 | 56   | 9.5 | 1786 | 1 | MMMSB1 | laminin beta-2 cha  |
| 270 | 57.5 | 9.8 | 1959 | 1 | AGRT   | agrin - rat         | 343 | 56   | 9.5 | 2531 | 2 | T16743 | hypothetical prote  |
| 271 | 57.5 | 9.8 | 2265 | 1 | FNBO   | fibronectin - bovi  | 344 | 56   | 9.5 | 2531 | 2 | T16743 | hypothetical prote  |
| 272 | 57.5 | 9.8 | 2386 | 1 | FNHU   | fibronectin precu   | 345 | 56   | 9.5 | 3191 | 2 | T22945 | hypothetical prote  |
| 273 | 57.5 | 9.8 | 2481 | 2 | A43908 | fibronectin - Afri  | 346 | 55.5 | 9.4 | 99   | 2 | S40012 | fill protein - gar  |
| 274 | 57.5 | 9.8 | 2767 | 1 | U1HU   | alpha-2-macroglobu  | 347 | 55.5 | 9.4 | 106  | 2 | A72581 | hypothetical prote  |
| 275 | 57.5 | 9.8 | 4543 | 1 | A53102 | conserved hypotet   | 348 | 55.5 | 9.4 | 151  | 2 | T20071 | hypothetical prote  |
| 276 | 57   | 9.7 | 98   | 2 | A75393 | thyroglobulin - sl  | 349 | 55.5 | 9.4 | 264  | 2 | A84868 | probable endochiti  |
| 277 | 57   | 9.7 | 153  | 2 | A60585 | thyroglobulin - sl  | 350 | 55.5 | 9.4 | 290  | 2 | T21185 | hypothetical prote  |
| 278 | 57   | 9.7 | 175  | 2 | C82686 | lactoylglutathione  | 351 | 55.5 | 9.4 | 291  | 1 | UN0064 | insulin-like growt  |
| 279 | 57   | 9.7 | 212  | 2 | T05936 | agglutinin isolect  | 352 | 55.5 | 9.4 | 292  | 2 | C88072 | hypothetical prote  |
| 280 | 57   | 9.7 | 250  | 1 | A49053 | CD27 antigen precu  | 353 | 55.5 | 9.4 | 309  | 2 | T28708 | protein ZK1240.8 [  |
| 281 | 57   | 9.7 | 268  | 1 | G71271 | probable ABC trans  | 354 | 55.5 | 9.4 | 416  | 1 | UN0006 | hypothetical prote  |
| 282 | 57   | 9.7 | 334  | 2 | S20982 | chitinase (EC 3.2.  | 355 | 55.5 | 9.4 | 471  | 1 | KHRZOB | nerve growth facto  |
| 283 | 57   | 9.7 | 334  | 2 | D70918 | hypothetical prote  | 356 | 55.5 | 9.4 | 503  | 2 | T70926 | oryzain (EC 3.4.22  |
| 284 | 57   | 9.7 | 356  | 2 | A25918 | thrombomodulin - b  | 357 | 55.5 | 9.4 | 513  | 1 | RGBYC6 | hypothetical prote  |
| 285 | 57   | 9.7 | 414  | 2 | T24563 | hypothetical prote  | 358 | 55.5 | 9.4 | 569  | 2 | T50711 | cell division cont  |
| 286 | 57   | 9.7 | 468  | 2 | T48686 | hypothetical prote  | 359 | 55.5 | 9.4 | 580  | 2 | A46538 | urease (EC 3.5.1.5  |
| 287 | 57   | 9.7 | 513  | 2 | D88991 | protein apx-1 (imp  | 360 | 55.5 | 9.4 | 674  | 2 | T15524 | IG heavy chain, se  |
| 288 | 57   | 9.7 | 514  | 2 | T10559 | hypothetical prote  | 361 | 55.5 | 9.4 | 680  | 2 | T39858 | hypothetical prote  |
| 289 | 57   | 9.7 | 571  | 2 | S24789 | jaraahagin C precu  | 362 | 55.5 | 9.4 | 685  | 2 | JC7570 | Delta-4 protein -   |
| 290 | 57   | 9.7 | 609  | 2 | S55270 | catrocollastatin p  | 363 | 55.5 | 9.4 | 775  | 2 | A61228 | collagen alpha 2(I  |
| 291 | 57   | 9.7 | 773  | 2 | JQ2187 | P87 protein - Card  | 364 | 55.5 | 9.4 | 788  | 2 | A26547 | platelet glycoprot  |
| 292 | 57   | 9.7 | 779  | 2 | H71301 | probable membrane-  | 365 | 55.5 | 9.4 | 1039 | 2 | T14802 | phytochrome B - so  |
| 293 | 57   | 9.7 | 917  | 2 | JC7799 | PARIS-1 protein -   | 366 | 55.5 | 9.4 | 1296 | 2 | T16859 | hypothetical prote  |
| 294 | 57   | 9.7 | 964  | 2 | JC5545 | integrin beta-4 pr  | 367 | 55.5 | 9.4 | 1746 | 1 | S19694 | tenascin precursor  |
| 295 | 57   | 9.7 | 1107 | 2 | T15884 | hypothetical prote  | 368 | 55.5 | 9.4 | 1786 | 1 | MMHUB1 | laminin beta-1 cha  |
| 296 | 57   | 9.7 | 1548 | 2 | S34583 | serine proteinase   | 369 | 55.5 | 9.4 | 2477 | 2 | S14428 | fibronectin precu   |
| 297 | 57   | 9.7 | 1820 | 2 | A55494 | latent transformin  | 370 | 55.5 | 9.4 | 3570 | 2 | T45025 | mucin MUC5B, trach  |
| 298 | 57   | 9.7 | 1875 | 2 | A36429 | integrin beta-4 ch  | 371 | 55.5 | 9.4 | 3623 | 2 | T09456 | intrinsic factor-B  |
| 299 | 56.5 | 9.6 | 113  | 2 | S11532 | colicin E1 immunit  | 372 | 55   | 9.3 | 163  | 1 | H83499 | ferredoxin protein  |
| 300 | 56.5 | 9.6 | 258  | 2 | T32542 | hypothetical prote  | 373 | 55   | 9.3 | 171  | 2 | S68858 | probable membrane   |
| 301 | 56.5 | 9.6 | 318  | 2 | S65019 | chitinase (EC 3.2.  | 374 | 55   | 9.3 | 226  | 2 | A12564 | hypothetical prote  |
| 302 | 56.5 | 9.6 | 409  | 2 | A86240 | protein F20B24.10   | 375 | 55   | 9.3 | 268  | 2 | S25311 | chitinase (EC 3.2.  |
| 303 | 56.5 | 9.6 | 443  | 2 | T08905 | hypothetical prote  | 376 | 55   | 9.3 | 269  | 2 | S75243 | hypothetical prote  |
| 304 | 56.5 | 9.6 | 446  | 2 | T31644 | hypothetical prote  | 377 | 55   | 9.3 | 305  | 2 | A46476 | B cell-associated   |
| 305 | 56.5 | 9.6 | 682  | 2 | T12968 | hypothetical prote  | 378 | 55   | 9.3 | 318  | 2 | E87929 | protein T2H2.6 [I   |
| 306 | 56.5 | 9.6 | 753  | 2 | B36288 | platelet glycoprot  | 379 | 55   | 9.3 | 323  | 2 | A99211 | hypothetical prote  |
| 307 | 56.5 | 9.6 | 778  | 2 | A60798 | platelet glycoprot  | 380 | 55   | 9.3 | 324  | 2 | S56694 | chitinase (EC 3.2.  |
| 308 | 56.5 | 9.6 | 788  | 2 | T77349 | platelet glycoprot  | 381 | 55   | 9.3 | 341  | 2 | AE2445 | hypothetical prote  |
| 309 | 56.5 | 9.6 | 938  | 2 | I49071 | protein kinase - m  | 382 | 55   | 9.3 | 343  | 2 | S45321 | folliculin - mous   |
| 310 | 56.5 | 9.6 | 948  | 2 | S51605 | receptor-like tyro  | 383 | 55   | 9.3 | 357  | 2 | T32881 | hypothetical prote  |
| 311 | 56.5 | 9.6 | 1106 | 2 | T44598 | hypothetical prote  | 384 | 55   | 9.3 | 396  | 1 | KXBOZ  | plasma protein 2 -  |
| 312 | 56.5 | 9.6 | 1106 | 2 | T13938 | gene shuttle craft  | 385 | 55   | 9.3 | 416  | 2 | T25101 | hypothetical prote  |
| 313 | 56.5 | 9.6 | 1391 | 2 | T20406 | hypothetical prote  | 386 | 55   | 9.3 | 512  | 2 | T06713 | probable cytochrom  |
| 314 | 56.5 | 9.6 | 1458 | 2 | A45665 | adult-specific bru  | 387 | 55   | 9.3 | 531  | 2 | B83422 | probable serine/thr |
| 315 | 56.5 | 9.6 | 1490 | 2 | JC5145 | DNA (cytosine-5-) - | 388 | 55   | 9.3 | 599  | 2 | JC8009 | choline dehydrogen  |
| 316 | 56.5 | 9.6 | 1495 | 2 | S22610 | DNA (cytosine-5-) - | 389 | 55   | 9.3 | 748  | 2 | S66129 | disintegrin (EC 3.  |
| 317 | 56.5 | 9.6 | 1537 | 2 | JC4172 | DNA (cytosine-5-) - | 390 | 55   | 9.3 | 850  | 2 | S56015 | gastric mucin MUC5  |
| 318 | 56.5 | 9.6 | 1557 | 2 | T28811 | hypothetical prote  | 391 | 55   | 9.3 | 853  | 2 | B85429 | beta-galactosidase  |
| 319 | 56.5 | 9.6 | 1572 | 2 | T00037 | brain-specific ang  | 392 | 55   | 9.3 | 863  | 1 | S51789 | VLDL receptor prec  |
| 320 | 56.5 | 9.6 | 1584 | 2 | T22674 | hypothetical prote  | 393 | 55   | 9.3 | 865  | 2 | B69074 | probable formate d  |
| 321 | 56.5 | 9.6 | 1612 | 2 | JC5210 | DNA (cytosine-5-) - | 394 | 55   | 9.3 | 961  | 1 | TSHUP4 | thrombospondin 4 p  |

|     |      |     |      |   |        |                    |     |      |     |      |   |        |                    |
|-----|------|-----|------|---|--------|--------------------|-----|------|-----|------|---|--------|--------------------|
| 395 | 55   | 9.3 | 1038 | 2 | I38935 | bone morphogenetic | 468 | 54   | 9.2 | 537  | 2 | JC7127 | frizzled protein 4 |
| 396 | 55   | 9.3 | 1038 | 2 | JC5527 | bone morphogenetic | 469 | 54   | 9.2 | 558  | 2 | T17324 | hypothetical prote |
| 397 | 55   | 9.3 | 1064 | 2 | A40136 | fibropellin Ia - s | 470 | 54   | 9.2 | 575  | 1 | THHUB  | thrombomodulin pre |
| 398 | 55   | 9.3 | 1133 | 1 | EGRT   | epidermal growth f | 471 | 54   | 9.2 | 595  | 2 | T39228 | beta-transducin -  |
| 399 | 55   | 9.3 | 1207 | 1 | EGHU   | epidermal growth f | 472 | 54   | 9.2 | 640  | 1 | A30452 | uromodulin precurs |
| 400 | 55   | 9.3 | 1394 | 2 | A35626 | transforming growt | 473 | 54   | 9.2 | 685  | 2 | C56591 | E75 B steroid rece |
| 401 | 55   | 9.3 | 1531 | 1 | T42218 | slit-1 protein hom | 474 | 54   | 9.2 | 732  | 2 | JC4194 | lanosterol synthas |
| 402 | 55   | 9.3 | 1609 | 2 | MMHUB2 | laminin gamma-1 ch | 475 | 54   | 9.2 | 737  | 2 | S67558 | nitrate reductase  |
| 403 | 55   | 9.3 | 1808 | 2 | TH5099 | hypothetical prote | 476 | 54   | 9.2 | 756  | 2 | S47656 | tMDC II protein -  |
| 404 | 55   | 9.3 | 2052 | 2 | T18290 | FIVE finger-contai | 477 | 54   | 9.2 | 769  | 1 | IJHULM | leukocyte adhesio  |
| 405 | 55   | 9.3 | 3225 | 2 | I52300 | giantin - human    | 478 | 54   | 9.2 | 790  | 2 | A39627 | protein-tyrosine k |
| 406 | 55   | 9.3 | 3229 | 2 | S27852 | probable cell-surf | 479 | 54   | 9.2 | 793  | 2 | JC5539 | smoothed protein   |
| 407 | 55   | 9.3 | 3259 | 1 | A56539 | giantin - human    | 480 | 54   | 9.2 | 794  | 2 | F88508 | protein H1A12.6 [  |
| 408 | 55   | 9.3 | 4660 | 2 | T42737 | gp330 protein prec | 481 | 54   | 9.2 | 809  | 2 | T20125 | outer envelope mem |
| 409 | 54.5 | 9.3 | 57   | 2 | C46654 | growth modulatory  | 482 | 54   | 9.2 | 838  | 2 | T20125 | hypothetical prote |
| 410 | 54.5 | 9.3 | 63   | 2 | S08572 | chymotrypsin/elast | 483 | 54   | 9.2 | 1052 | 2 | T00014 | protein-tyrosine k |
| 411 | 54.5 | 9.3 | 90   | 2 | S69488 | bombaxin B-7 precu | 484 | 54   | 9.2 | 1364 | 2 | T51320 | DAP-1-alpha protei |
| 412 | 54.5 | 9.3 | 92   | 2 | D37057 | epithelial cell gl | 485 | 54   | 9.2 | 1364 | 2 | T00250 | probable xanthine  |
| 413 | 54.5 | 9.3 | 103  | 4 | S59331 | hypothetical prote | 486 | 54   | 9.2 | 2524 | 2 | A35844 | protein-tyrosine k |
| 414 | 54.5 | 9.3 | 120  | 2 | T31000 | cysteine-rich prot | 487 | 54   | 9.2 | 2531 | 2 | S18188 | notch protein homo |
| 415 | 54.5 | 9.3 | 131  | 1 | KRG73M | keratin high-sulfu | 488 | 54   | 9.2 | 2652 | 1 | VFIH2  | von Willebrand fac |
| 416 | 54.5 | 9.3 | 221  | 2 | C34768 | ORF2 protein - Orf | 489 | 54   | 9.2 | 2813 | 1 | VNHU   | genome polyprotein |
| 417 | 54.5 | 9.3 | 226  | 2 | JC4868 | ribonuclease S2 (E | 490 | 54   | 9.2 | 3175 | 1 | RRWVEV | MEGF1 protein - ra |
| 418 | 54.5 | 9.3 | 243  | 2 | T31144 | hypothetical prote | 491 | 54   | 9.2 | 4351 | 2 | T00252 | growth modulatory  |
| 419 | 54.5 | 9.3 | 248  | 2 | T19913 | hypothetical prote | 492 | 54   | 9.2 | 57   | 2 | A46654 | gibberellin-regula |
| 420 | 54.5 | 9.3 | 289  | 2 | A12128 | ATP-binding protei | 493 | 53.5 | 9.1 | 96   | 2 | S43910 | probable membrane  |
| 421 | 54.5 | 9.3 | 306  | 2 | S38251 | folliculin-relate  | 494 | 53.5 | 9.1 | 109  | 2 | S67091 | hypothetical prote |
| 422 | 54.5 | 9.3 | 310  | 2 | A60967 | insulin-like growt | 495 | 53.5 | 9.1 | 125  | 2 | S24831 | hypothetical prote |
| 423 | 54.5 | 9.3 | 317  | 2 | I46916 | insulin-like growt | 496 | 53.5 | 9.1 | 135  | 2 | AH2100 | C4b-binding protei |
| 424 | 54.5 | 9.3 | 318  | 2 | S43317 | chitinase (EC 3.2. | 497 | 53.5 | 9.1 | 202  | 1 | A44247 | cytochrome-c3 hydr |
| 425 | 54.5 | 9.3 | 386  | 2 | S52035 | probable alcohol d | 498 | 53.5 | 9.1 | 232  | 2 | H69315 | hypothetical prote |
| 426 | 54.5 | 9.3 | 419  | 2 | E71519 | probable stress p  | 499 | 53.5 | 9.1 | 266  | 2 | B72532 | conserved hypotet  |
| 427 | 54.5 | 9.3 | 442  | 2 | JC4978 | oxidative stress p | 500 | 53.5 | 9.1 | 273  | 2 | F69199 | hypothetical prote |
| 428 | 54.5 | 9.3 | 462  | 2 | T40420 | probable acid phos | 501 | 53.5 | 9.1 | 294  | 2 | T23916 | hypothetical prote |
| 429 | 54.5 | 9.3 | 482  | 2 | T02538 | hypothetical prote | 502 | 53.5 | 9.1 | 297  | 2 | S06267 | surface antigen H  |
| 430 | 54.5 | 9.3 | 530  | 2 | C95334 | Tam2a transposase  | 503 | 53.5 | 9.1 | 314  | 2 | T32985 | hypothetical prote |
| 431 | 54.5 | 9.3 | 575  | 2 | A49667 | interleukin-10 rec | 504 | 53.5 | 9.1 | 328  | 1 | A41927 | insulin-like growt |
| 432 | 54.5 | 9.3 | 644  | 2 | A36325 | epidermal growth f | 505 | 53.5 | 9.1 | 346  | 2 | JA0159 | cysteine proteinas |
| 433 | 54.5 | 9.3 | 711  | 2 | S43464 | ecdysteroid-induce | 506 | 53.5 | 9.1 | 354  | 2 | E82850 | fimbrial adhesin p |
| 434 | 54.5 | 9.3 | 761  | 2 | JC5759 | brain-specific ser | 507 | 53.5 | 9.1 | 373  | 2 | AH0693 | conserved hypotet  |
| 435 | 54.5 | 9.3 | 788  | 2 | I51530 | integrin beta-3 su | 508 | 53.5 | 9.1 | 390  | 2 | S46540 | methionine adenosy |
| 436 | 54.5 | 9.3 | 862  | 1 | QRM5LD | LDL receptor precu | 509 | 53.5 | 9.1 | 395  | 1 | TRYXB4 | alpha-lytic protei |
| 437 | 54.5 | 9.3 | 941  | 1 | A55195 | chordin precursor  | 510 | 53.5 | 9.1 | 424  | 2 | S11676 | spore coat protein |
| 438 | 54.5 | 9.3 | 949  | 2 | T44577 | hypothetical prote | 511 | 53.5 | 9.1 | 466  | 2 | T06416 | probable lipopolys |
| 439 | 54.5 | 9.3 | 955  | 2 | A45441 | thrombospondin 4 - | 512 | 53.5 | 9.1 | 473  | 2 | C81984 | s-glycerin precurs |
| 440 | 54.5 | 9.3 | 984  | 1 | A34076 | protein-tyrosine k | 513 | 53.5 | 9.1 | 509  | 2 | T02864 | receptor tyrosine  |
| 441 | 54.5 | 9.3 | 1143 | 2 | T10636 | hypothetical prote | 514 | 53.5 | 9.1 | 584  | 2 | I50419 | developmental kina |
| 442 | 54.5 | 9.3 | 1204 | 2 | A36676 | hypothetical prote | 515 | 53.5 | 9.1 | 605  | 2 | JC5673 | vacuolar sorting r |
| 443 | 54.5 | 9.3 | 1237 | 2 | A34598 | ecdysone-induced p | 516 | 53.5 | 9.1 | 610  | 2 | I48612 | developmental kina |
| 444 | 54.5 | 9.3 | 1247 | 1 | MMHUND | nidogen precursor  | 517 | 53.5 | 9.1 | 624  | 2 | T00044 | hypothetical prote |
| 445 | 54.5 | 9.3 | 1332 | 2 | T23024 | hypothetical prote | 518 | 53.5 | 9.1 | 626  | 2 | I48614 | hypothetical prote |
| 446 | 54.5 | 9.3 | 1386 | 2 | T00257 | protein-tyrosine k | 519 | 53.5 | 9.1 | 704  | 2 | B84685 | semaphorin III fam |
| 447 | 54.5 | 9.3 | 1443 | 2 | S05979 | hypothetical prote | 520 | 53.5 | 9.1 | 753  | 2 | G02173 | integrin beta-8 ch |
| 448 | 54.5 | 9.3 | 1647 | 2 | A37098 | steroid hormone re | 521 | 53.5 | 9.1 | 768  | 2 | B41029 | RNA-directed RNA p |
| 449 | 54.5 | 9.3 | 2647 | 2 | S42373 | gelatin factor AB  | 522 | 53.5 | 9.1 | 774  | 1 | RRVETC | hypothetical prote |
| 450 | 54.5 | 9.3 | 3051 | 2 | I38346 | hypothetical prote | 523 | 53.5 | 9.1 | 792  | 2 | T42963 | tyrosine kinase Mp |
| 451 | 54.5 | 9.3 | 3962 | 1 | THUSP  | elastic titin - hu | 524 | 53.5 | 9.1 | 957  | 2 | T15976 | receptor tyrosine  |
| 452 | 54   | 9.2 | 132  | 1 | THUSP  | antileukoproteinas | 525 | 53.5 | 9.1 | 977  | 2 | J49004 | protein-tyrosine k |
| 453 | 54   | 9.2 | 148  | 2 | G82223 | agglutinin isolect | 526 | 53.5 | 9.1 | 998  | 2 | JC5672 | anillin - fruit fl |
| 454 | 54   | 9.2 | 212  | 2 | S09623 | agglutinin isolect | 527 | 53.5 | 9.1 | 1124 | 1 | I58388 | agrin - electric r |
| 455 | 54   | 9.2 | 213  | 1 | AEWT2  | platelet aggregat  | 528 | 53.5 | 9.1 | 1201 | 2 | A57369 | protein ZC84.6 [im |
| 456 | 54   | 9.2 | 216  | 2 | JX0265 | hypothetical prote | 529 | 53.5 | 9.1 | 1328 | 2 | T43060 | mucin 2, intestina |
| 457 | 54   | 9.2 | 229  | 2 | T34325 | hypothetical prote | 530 | 53.5 | 9.1 | 1474 | 2 | D88550 | dominant autoantig |
| 458 | 54   | 9.2 | 252  | 2 | T46247 | hypothetical prote | 531 | 53.5 | 9.1 | 1513 | 2 | A54895 | 189.6K autoantig   |
| 459 | 54   | 9.2 | 287  | 2 | A41257 | apoptosis protein  | 532 | 53.5 | 9.1 | 1650 | 2 | S53457 | collagen alpha 2(I |
| 460 | 54   | 9.2 | 349  | 2 | A85303 | probable transcrip | 533 | 53.5 | 9.1 | 1678 | 2 | D86481 | collagen type IV a |
| 461 | 54   | 9.2 | 349  | 2 | T04272 | hypothetical prote | 534 | 53.5 | 9.1 | 1707 | 2 | A33526 | hypothetical prote |
| 462 | 54   | 9.2 | 424  | 2 | T32467 | hypothetical prote | 535 | 53.5 | 9.1 | 1761 | 2 | T29764 | gamma-zeathionin 2 |
| 463 | 54   | 9.2 | 415  | 2 | T39524 | alpha-amylase (EC  | 536 | 53.5 | 9.1 | 2180 | 2 | B58319 | metallothionein A  |
| 464 | 54   | 9.2 | 496  | 1 | ALPGP  | alpha-amylase (EC  | 537 | 53.5 | 9.0 | 47   | 2 | A25775 |                    |
| 465 | 54   | 9.2 | 496  | 2 | T20130 | complement C9 prec | 538 | 53   | 9.0 | 64   | 2 |        |                    |
| 466 | 54   | 9.2 | 502  | 2 | T20130 |                    | 539 | 53   | 9.0 |      |   |        |                    |
| 467 | 54   | 9.2 | 524  | 2 | A29677 |                    | 540 | 53   | 9.0 |      |   |        |                    |

frizzled protein 4  
hypothetical prote  
thrombomodulin pre  
beta-transducin -  
uromodulin precurs  
E75 B steroid rece  
lanosterol synthas  
nitrate reductase  
tMDC II protein -  
leukocyte adhesio  
protein-tyrosine k  
smoothed protein  
protein H1A12.6 [  
outer envelope mem  
hypothetical prote  
DAP-1-alpha protei  
protein-tyrosine k  
probable xanthine  
MEGF2 protein - hu  
Xotch protein - Af  
notch protein homo  
genome polyprotein  
von Willebrand fac  
genome polyprotein  
MEGF1 protein - ra  
growth modulatory  
gibberellin-regula  
probable membrane  
hypothetical prote  
hypothetical prote  
C4b-binding protei  
cytochrome-c3 hydr  
hypothetical prote  
conserved hypotet  
hypothetical prote  
hypothetical prote  
surface antigen H  
hypothetical prote  
insulin-like growt  
cysteine proteinas  
fimbrial adhesin p  
conserved hypotet  
methionine adenosy  
alpha-lytic protei  
spore coat protein  
cysteine proteinas  
probable lipopolys  
s-glycerin precurs  
receptor tyrosine  
developmental kina  
vacuolar sorting r  
developmental kina  
hypothetical prote  
semaphorin III fam  
integrin beta-8 ch  
RNA-directed RNA p  
hypothetical prote  
tyrosine kinase Mp  
receptor tyrosine  
protein-tyrosine k  
anillin - fruit fl  
agrin - electric r  
protein ZC84.6 [im  
mucin 2, intestina  
dominant autoantig  
189.6K autoantig  
collagen alpha 2(I  
collagen type IV a  
hypothetical prote  
gamma-zeathionin 2  
metallothionein A

|     |      |     |      |   |        |                    |     |      |     |      |   |        |                    |
|-----|------|-----|------|---|--------|--------------------|-----|------|-----|------|---|--------|--------------------|
| 541 | 53   | 9.0 | 77   | 2 | S29563 | endothelin 2 precu | 614 | 52.5 | 8.9 | 397  | 2 | S26731 | neuro-D4 protein - |
| 542 | 53   | 9.0 | 141  | 2 | T08790 | hypothetical prote | 615 | 52.5 | 8.9 | 403  | 2 | T26326 | hypothetical prote |
| 543 | 53   | 9.0 | 156  | 2 | T43937 | hypothetical prote | 616 | 52.5 | 8.9 | 407  | 1 | KFB07  | coagulation factor |
| 544 | 53   | 9.0 | 177  | 2 | B71682 | probable ubiquinol | 617 | 52.5 | 8.9 | 418  | 2 | E30925 | probable enzyme EC |
| 545 | 53   | 9.0 | 240  | 2 | A39842 | insulin-like growt | 618 | 52.5 | 8.9 | 418  | 2 | A85774 | probable enzyme 22 |
| 546 | 53   | 9.0 | 255  | 2 | I38426 | lymphocyte activat | 619 | 52.5 | 8.9 | 418  | 2 | B64924 | hypothetical prote |
| 547 | 53   | 9.0 | 272  | 1 | G69587 | L-arabinose operon | 620 | 52.5 | 8.9 | 431  | 2 | T37621 | hypothetical prote |
| 548 | 53   | 9.0 | 309  | 2 | T22402 | hypothetical prote | 621 | 52.5 | 8.9 | 473  | 2 | C81039 | hypothetical prote |
| 549 | 53   | 9.0 | 343  | 2 | I49067 | zinc finger protei | 622 | 52.5 | 8.9 | 474  | 2 | T27297 | hypothetical prote |
| 550 | 53   | 9.0 | 345  | 2 | T34998 | probable transmem  | 623 | 52.5 | 8.9 | 559  | 2 | C85073 | probable transpos  |
| 551 | 53   | 9.0 | 393  | 1 | A48357 | nonstructural prot | 624 | 52.5 | 8.9 | 740  | 2 | A71141 | hypothetical prote |
| 552 | 53   | 9.0 | 393  | 2 | S40123 | polygalacturonase  | 625 | 52.5 | 8.9 | 747  | 2 | T39744 | conserved hypotet  |
| 553 | 53   | 9.0 | 404  | 2 | C96396 | hypothetical prote | 626 | 52.5 | 8.9 | 788  | 2 | A37057 | integrin beta-6 ch |
| 554 | 53   | 9.0 | 413  | 2 | T34123 | hypothetical prote | 627 | 52.5 | 8.9 | 826  | 2 | A60385 | monocyte surface a |
| 555 | 53   | 9.0 | 429  | 2 | T21113 | hypothetical prote | 628 | 52.5 | 8.9 | 873  | 1 | A49729 | VLDL receptor prec |
| 556 | 53   | 9.0 | 460  | 2 | B87455 | DNA repair protein | 629 | 52.5 | 8.9 | 898  | 2 | S47489 | receptor tyrosine  |
| 557 | 53   | 9.0 | 469  | 1 | NMIV27 | exo-alpha-sialidas | 630 | 52.5 | 8.9 | 909  | 1 | ORXLL2 | LDL receptor 2 pre |
| 558 | 53   | 9.0 | 493  | 2 | JC5486 | membrane glycoprot | 631 | 52.5 | 8.9 | 1106 | 2 | T04015 | hypothetical prote |
| 559 | 53   | 9.0 | 524  | 2 | S38539 | disintegrin-like m | 632 | 52.5 | 8.9 | 2027 | 2 | S60123 | hypothetical prote |
| 560 | 53   | 9.0 | 527  | 2 | S03974 | amine oxidase (Fla | 633 | 52.5 | 8.9 | 2056 | 2 | G88564 | protein R10811.1 l |
| 561 | 53   | 9.0 | 551  | 2 | S51941 | prunin 1 precursor | 634 | 52   | 8.8 | 75   | 1 | GSFF8  | salivary glue prot |
| 562 | 53   | 9.0 | 578  | 2 | S50446 | VAC8 protein - yea | 635 | 52   | 8.8 | 90   | 2 | B86560 | 9 kDa-Cysteine-ric |
| 563 | 53   | 9.0 | 613  | 2 | A88448 | protein C45G9.6 [i | 636 | 52   | 8.8 | 90   | 2 | B86560 | 9 kDa-Cysteine-ric |
| 564 | 53   | 9.0 | 636  | 2 | H64429 | DNA-directed RNA p | 637 | 52   | 8.8 | 107  | 2 | T49527 | cysteine rich oute |
| 565 | 53   | 9.0 | 664  | 1 | JX0336 | succinate dehydrog | 638 | 52   | 8.8 | 127  | 2 | G84999 | hypothetical prote |
| 566 | 53   | 9.0 | 670  | 2 | I65967 | disintegrin-like m | 639 | 52   | 8.8 | 181  | 1 | MXRRD  | hypothetical prote |
| 567 | 53   | 9.0 | 684  | 2 | I39595 | phospholipase C -  | 640 | 52   | 8.8 | 189  | 2 | JC6064 | RNA-binding protei |
| 568 | 53   | 9.0 | 711  | 1 | A47136 | macrophage-stimula | 641 | 52   | 8.8 | 191  | 2 | T50306 | hypothetical prote |
| 569 | 53   | 9.0 | 725  | 2 | T35114 | probable kinase/ph | 642 | 52   | 8.8 | 197  | 2 | S56662 | proteinase inhibit |
| 570 | 53   | 9.0 | 861  | 2 | A48825 | Notch homolog Mcc  | 643 | 52   | 8.8 | 213  | 1 | D70416 | phosphoglycolate p |
| 571 | 53   | 9.0 | 874  | 2 | B70914 | hypothetical prote | 644 | 52   | 8.8 | 221  | 2 | G69420 | hydrogenase expres |
| 572 | 53   | 9.0 | 922  | 2 | T23573 | hypothetical prote | 645 | 52   | 8.8 | 227  | 1 | LNRZ   | lectin precursor - |
| 573 | 53   | 9.0 | 1069 | 2 | T42681 | hypothetical prote | 646 | 52   | 8.8 | 281  | 2 | I39199 | C2H2-150 - human   |
| 574 | 53   | 9.0 | 1168 | 2 | I56985 | kalinin B1 - mouse | 647 | 52   | 8.8 | 317  | 2 | AF2129 | hypothetical prote |
| 575 | 53   | 9.0 | 1354 | 2 | T13363 | phosphoribosylform | 648 | 52   | 8.8 | 325  | 2 | A13096 | proteinase [import |
| 576 | 53   | 9.0 | 1360 | 2 | T33922 | hypothetical prote | 649 | 52   | 8.8 | 325  | 2 | H98189 | probable proteinas |
| 577 | 53   | 9.0 | 1416 | 2 | E88550 | protein ZC84.1 [im | 650 | 52   | 8.8 | 327  | 2 | T09687 | chitinase (EC 3.2. |
| 578 | 53   | 9.0 | 1737 | 2 | T00209 | MEGF8 protein - hu | 651 | 52   | 8.8 | 347  | 2 | T32768 | hypothetical prote |
| 579 | 53   | 9.0 | 1748 | 1 | JN0786 | Integrin beta-4 ch | 652 | 52   | 8.8 | 348  | 1 | S32484 | L-iditol 2-dehydro |
| 580 | 53   | 9.0 | 1798 | 2 | S53869 | laminin beta-2 cha | 653 | 52   | 8.8 | 348  | 2 | A40578 | beta 1G-M2 protein |
| 581 | 53   | 9.0 | 1807 | 2 | JC6319 | integrin beta-4 ch | 654 | 52   | 8.8 | 384  | 2 | AF0295 | conserved hypotet  |
| 582 | 53   | 9.0 | 2017 | 1 | A36014 | myosin heavy chain | 655 | 52   | 8.8 | 393  | 2 | D86168 | hypothetical prote |
| 583 | 53   | 9.0 | 2062 | 2 | S61477 | myosin II heavy ch | 656 | 52   | 8.8 | 435  | 2 | I54182 | tumor necrosis fac |
| 584 | 53   | 9.0 | 2267 | 2 | T30890 | calcium channel al | 657 | 52   | 8.8 | 435  | 2 | S40993 | hypothetical prote |
| 585 | 53   | 9.0 | 2844 | 1 | S28291 | hypothetical prote | 658 | 52   | 8.8 | 456  | 1 | KX80   | protein C (activat |
| 586 | 53   | 9.0 | 3106 | 1 | S53868 | laminin alpha-2 ch | 659 | 52   | 8.8 | 467  | 2 | D86485 | reverse transcript |
| 587 | 53   | 9.0 | 4307 | 2 | T20721 | hypothetical prote | 660 | 52   | 8.8 | 475  | 2 | S4996  | type I serine-thre |
| 588 | 52.5 | 8.9 | 70   | 2 | A55824 | drosomycin precurs | 661 | 52   | 8.8 | 505  | 2 | I53417 | hypothetical prote |
| 589 | 52.5 | 8.9 | 77   | 2 | S47158 | metallothionein II | 662 | 52   | 8.8 | 541  | 2 | T48811 | hypothetical prote |
| 590 | 52.5 | 8.9 | 99   | 2 | S60230 | gibberellin-regula | 663 | 52   | 8.8 | 600  | 2 | I49281 | fertilin alpha pre |
| 591 | 52.5 | 8.9 | 101  | 2 | C35834 | isocitrate dehydro | 664 | 52   | 8.8 | 610  | 2 | T16761 | hypothetical prote |
| 592 | 52.5 | 8.9 | 154  | 2 | A86086 | hypothetical prote | 665 | 52   | 8.8 | 635  | 2 | C81861 | hypothetical prote |
| 593 | 52.5 | 8.9 | 163  | 2 | E91238 | hypothetical prote | 666 | 52   | 8.8 | 656  | 2 | S49745 | probable membrane  |
| 594 | 52.5 | 8.9 | 203  | 2 | T02696 | probable disease r | 667 | 52   | 8.8 | 716  | 1 | JC5061 | macrophage-stimula |
| 595 | 52.5 | 8.9 | 236  | 2 | B98315 | exsB protein [impo | 668 | 52   | 8.8 | 736  | 2 | S47645 | TMDC I protein - c |
| 596 | 52.5 | 8.9 | 236  | 2 | A12967 | succinoglycan bios | 669 | 52   | 8.8 | 786  | 2 | T31793 | hypothetical prote |
| 597 | 52.5 | 8.9 | 250  | 2 | T01779 | trypsin [EC 3.4.21 | 670 | 52   | 8.8 | 873  | 1 | I48952 | VLDL receptor prec |
| 598 | 52.5 | 8.9 | 250  | 2 | S31384 | trypsin [EC 3.4.21 | 671 | 52   | 8.8 | 873  | 1 | QRRBVD | VLDL receptor prec |
| 599 | 52.5 | 8.9 | 252  | 2 | A81030 | probable membrane  | 672 | 52   | 8.8 | 893  | 2 | H95953 | probable bifunctio |
| 600 | 52.5 | 8.9 | 253  | 2 | T49971 | hypothetical prote | 673 | 52   | 8.8 | 909  | 1 | ORXLL1 | LDL receptor 1 pre |
| 601 | 52.5 | 8.9 | 255  | 2 | T44991 | oxidoreductase [im | 674 | 52   | 8.8 | 961  | 2 | A55380 | faciogenital dyspl |
| 602 | 52.5 | 8.9 | 261  | 2 | S17889 | class II histocomp | 675 | 52   | 8.8 | 1162 | 2 | T21557 | hypothetical prote |
| 603 | 52.5 | 8.9 | 278  | 2 | H96611 | hypothetical prote | 676 | 52   | 8.8 | 1172 | 2 | C70619 | probable lysX prot |
| 604 | 52.5 | 8.9 | 280  | 2 | D82017 | hypothetical prote | 677 | 52   | 8.8 | 1188 | 2 | D86236 | protein F14N23.5 [ |
| 605 | 52.5 | 8.9 | 282  | 2 | S50031 | prostacyclin-stimu | 678 | 52   | 8.8 | 1197 | 1 | VGUVUF | M polyprotein - Ri |
| 606 | 52.5 | 8.9 | 287  | 2 | T09035 | hypothetical prote | 679 | 52   | 8.8 | 1299 | 2 | T43251 | furin [EC 3.4.21-7 |
| 607 | 52.5 | 8.9 | 288  | 2 | D81002 | conserved hypotet  | 680 | 52   | 8.8 | 1300 | 2 | A36502 | insulin receptor-r |
| 608 | 52.5 | 8.9 | 349  | 2 | S47093 | hypothetical prote | 681 | 52   | 8.8 | 1321 | 2 | JR0352 | mucin MUC5B, trach |
| 609 | 52.5 | 8.9 | 362  | 2 | G56755 | probable proline-r | 682 | 52   | 8.8 | 1358 | 1 | XOCHDH | xanthine dehydroge |
| 610 | 52.5 | 8.9 | 370  | 2 | A83479 | alcohol dehydrogen | 683 | 52   | 8.8 | 1435 | 2 | T01075 | polyprotein - hepa |
| 611 | 52.5 | 8.9 | 372  | 2 | A42778 | agglutinin precurs | 684 | 52   | 8.8 | 2491 | 1 | A28372 | insulin-like growt |
| 612 | 52.5 | 8.9 | 375  | 1 | S62640 | alcohol dehydrogen | 685 | 52   | 8.8 | 3672 | 2 | T23433 | hypothetical prote |
| 613 | 52.5 | 8.9 | 387  | 2 | I38449 | extracellular prot | 686 | 52   | 8.8 | 3704 | 2 | T37316 | probable laminin a |

|     |      |     |      |   |        |                      |     |      |     |      |   |        |                     |
|-----|------|-----|------|---|--------|----------------------|-----|------|-----|------|---|--------|---------------------|
| 687 | 51.5 | 8.7 | 46   | 2 | I48947 | cellular disintegr   | 760 | 51   | 8.7 | 257  | 2 | I38025 | keratin-like prote  |
| 688 | 51.5 | 8.7 | 77   | 2 | AF2564 | hypothetical prote   | 761 | 51   | 8.7 | 259  | 1 | IOHUL  | insulin-like growt  |
| 689 | 51.5 | 8.7 | 87   | 2 | JN0670 | Na+-channel-blocki   | 762 | 51   | 8.7 | 260  | 1 | S11562 | probable MASH-1 pr  |
| 690 | 51.5 | 8.7 | 144  | 2 | S54244 | Ig mu heavy chain    | 763 | 51   | 8.7 | 261  | 2 | S51678 | chitinase (BC 3.2.  |
| 691 | 51.5 | 8.7 | 221  | 2 | T51027 | hypothetical prote   | 764 | 51   | 8.7 | 269  | 2 | T36639 | probable substrate  |
| 692 | 51.5 | 8.7 | 221  | 2 | S59832 | hypothetical prote   | 765 | 51   | 8.7 | 274  | 2 | T18768 | hypothetical prote  |
| 693 | 51.5 | 8.7 | 238  | 2 | R85597 | arginine 3rd trans   | 766 | 51   | 8.7 | 284  | 2 | A28008 | troponin T, cardia  |
| 694 | 51.5 | 8.7 | 238  | 2 | A90747 | arginine 3rd trans   | 767 | 51   | 8.7 | 297  | 2 | T45705 | hypothetical prote  |
| 695 | 51.5 | 8.7 | 245  | 2 | T49889 | zinc finger transc   | 768 | 51   | 8.7 | 313  | 2 | S44208 | extracellular matr  |
| 696 | 51.5 | 8.7 | 251  | 2 | G96006 | probable SUP1-like   | 769 | 51   | 8.7 | 319  | 2 | D97081 | ketopantoate reduc  |
| 697 | 51.5 | 8.7 | 261  | 2 | A55242 | MHC class II histo   | 770 | 51   | 8.7 | 330  | 2 | D87068 | hypothetical prote  |
| 698 | 51.5 | 8.7 | 281  | 2 | AE0671 | N-hydroxyarylamine   | 771 | 51   | 8.7 | 332  | 2 | T21458 | hypothetical prote  |
| 699 | 51.5 | 8.7 | 281  | 2 | A38090 | N-hydroxyarylamine   | 772 | 51   | 8.7 | 342  | 2 | A83263 | hypothetical prote  |
| 700 | 51.5 | 8.7 | 282  | 2 | A48516 | surfactant protein   | 773 | 51   | 8.7 | 353  | 2 | T27800 | dihydroorotate deh  |
| 701 | 51.5 | 8.7 | 284  | 2 | JC7686 | hypothetical prote   | 774 | 51   | 8.7 | 374  | 1 | A53142 | hypothetical prote  |
| 702 | 51.5 | 8.7 | 323  | 2 | T27450 | uracil-DNA glycosy   | 775 | 51   | 8.7 | 375  | 1 | DEHOAL | alcohol dehydrogen  |
| 703 | 51.5 | 8.7 | 326  | 2 | A14266 | c-myc promoter-bin   | 776 | 51   | 8.7 | 375  | 1 | S35669 | alcohol dehydrogen  |
| 704 | 51.5 | 8.7 | 335  | 2 | S39579 | hypothetical prote   | 777 | 51   | 8.7 | 388  | 2 | A82045 | probable FMN-depen  |
| 705 | 51.5 | 8.7 | 394  | 2 | T24860 | hypothetical prote   | 778 | 51   | 8.7 | 394  | 2 | AH1858 | Cystathionine gamm  |
| 706 | 51.5 | 8.7 | 410  | 2 | T47926 | hypothetical prote   | 779 | 51   | 8.7 | 394  | 2 | AH1858 | S-adenosylmethioni  |
| 707 | 51.5 | 8.7 | 414  | 2 | H95843 | hypothetical prote   | 780 | 51   | 8.7 | 394  | 2 | D64934 | 3-dehydroquinatase  |
| 708 | 51.5 | 8.7 | 451  | 2 | T20798 | hypothetical prote   | 781 | 51   | 8.7 | 406  | 2 | D64934 | succinylornithine   |
| 709 | 51.5 | 8.7 | 480  | 1 | A30065 | trigraamin precursor | 782 | 51   | 8.7 | 406  | 2 | B85784 | acetylornithine de  |
| 710 | 51.5 | 8.7 | 485  | 2 | S36772 | E-selectin - bovin   | 783 | 51   | 8.7 | 406  | 2 | F90935 | acetylornithine de  |
| 711 | 51.5 | 8.7 | 488  | 2 | T47697 | Regulator of chrom   | 784 | 51   | 8.7 | 417  | 2 | A53010 | copper transport p  |
| 712 | 51.5 | 8.7 | 497  | 2 | T27012 | hypothetical prote   | 785 | 51   | 8.7 | 417  | 2 | A45857 | hypothetical prote  |
| 713 | 51.5 | 8.7 | 518  | 2 | T23120 | hypothetical prote   | 786 | 51   | 8.7 | 452  | 1 | A30351 | coagulation factor  |
| 714 | 51.5 | 8.7 | 523  | 2 | F71302 | asparagine-CRNA li   | 787 | 51   | 8.7 | 460  | 2 | T17011 | polygalacturonase   |
| 715 | 51.5 | 8.7 | 562  | 2 | T49386 | hypothetical prote   | 788 | 51   | 8.7 | 505  | 2 | T38859 | activin A receptor  |
| 716 | 51.5 | 8.7 | 585  | 2 | S43572 | COSB5.5 protein (c   | 789 | 51   | 8.7 | 525  | 2 | T35084 | hypothetical prote  |
| 717 | 51.5 | 8.7 | 585  | 2 | E88571 | protein COSB5.5 [i   | 790 | 51   | 8.7 | 560  | 1 | JC4795 | plasma hyaluronan-  |
| 718 | 51.5 | 8.7 | 591  | 2 | T48596 | ankyrin-like prote   | 791 | 51   | 8.7 | 560  | 2 | D69587 | L-ribulokinase ara  |
| 719 | 51.5 | 8.7 | 592  | 2 | T21536 | hypothetical prote   | 792 | 51   | 8.7 | 573  | 2 | JC4335 | anti-mullerian hor  |
| 720 | 51.5 | 8.7 | 675  | 1 | KCMSS  | plasma protein S p   | 793 | 51   | 8.7 | 604  | 2 | D71377 | phenylalanine-tRNA  |
| 721 | 51.5 | 8.7 | 686  | 2 | JC7569 | Delta-4 protein -    | 794 | 51   | 8.7 | 651  | 2 | JC7705 | death receptor-6 -  |
| 722 | 51.5 | 8.7 | 719  | 2 | T00266 | hypothetical prote   | 795 | 51   | 8.7 | 714  | 2 | S77385 | nitratre reductase  |
| 723 | 51.5 | 8.7 | 730  | 2 | E87251 | isoquinoline 1-oxi   | 796 | 51   | 8.7 | 735  | 2 | A59434 | KiAA1501 protein [  |
| 724 | 51.5 | 8.7 | 740  | 2 | A75011 | hypothetical prote   | 797 | 51   | 8.7 | 736  | 2 | S57961 | dimethylamine dehy  |
| 725 | 51.5 | 8.7 | 765  | 2 | T15447 | hypothetical prote   | 798 | 51   | 8.7 | 751  | 2 | F87789 | protein C34G6.2 [i  |
| 726 | 51.5 | 8.7 | 877  | 2 | T48967 | brain-specific kin   | 799 | 51   | 8.7 | 780  | 2 | A34102 | von Willebrand fac  |
| 727 | 51.5 | 8.7 | 899  | 2 | G02428 | subtilisin-like pr   | 800 | 51   | 8.7 | 854  | 1 | QRHLD  | LDL receptor precu  |
| 728 | 51.5 | 8.7 | 915  | 2 | JC6148 | subtilisin-like pr   | 801 | 51   | 8.7 | 915  | 2 | T21773 | hypothetical prote  |
| 729 | 51.5 | 8.7 | 962  | 2 | JC5571 | subtilisin-like pr   | 802 | 51   | 8.7 | 927  | 2 | T21772 | hypothetical prote  |
| 730 | 51.5 | 8.7 | 972  | 2 | A30363 | glycoprotein GP330   | 803 | 51   | 8.7 | 1345 | 2 | B71608 | DNA-directed RNA p  |
| 731 | 51.5 | 8.7 | 975  | 2 | JC5570 | subtilisin-like pr   | 804 | 51   | 8.7 | 1356 | 2 | A45445 | janusin precursor,  |
| 732 | 51.5 | 8.7 | 981  | 2 | A41401 | mineralocorticoid    | 805 | 51   | 8.7 | 1379 | 2 | T37752 | hypothetical serin  |
| 733 | 51.5 | 8.7 | 984  | 2 | A29513 | mineralocorticoid    | 806 | 51   | 8.7 | 1700 | 2 | S08167 | Barbani ring 3 pr   |
| 734 | 51.5 | 8.7 | 1001 | 2 | S30385 | G9a protein - huma   | 807 | 51   | 8.7 | 2233 | 2 | T28669 | surface protein 51  |
| 735 | 51.5 | 8.7 | 1038 | 2 | T13177 | sog protein - frui   | 808 | 51   | 8.7 | 2254 | 2 | T09053 | low voltage-activa  |
| 736 | 51.5 | 8.7 | 1057 | 2 | S09112 | hypothetical prote   | 809 | 51   | 8.7 | 2415 | 1 | A39086 | aggreacan precursor |
| 737 | 51.5 | 8.7 | 1165 | 2 | S27809 | Grpase-activating    | 810 | 51   | 8.7 | 2766 | 2 | T39165 | hypothetical prote  |
| 738 | 51.5 | 8.7 | 2023 | 2 | T13154 | polycarb protein e   | 811 | 51   | 8.7 | 3288 | 2 | T03099 | mucin, submaxillar  |
| 739 | 51.5 | 8.7 | 2809 | 2 | T30213 | G-cadherin - sea u   | 812 | 50.5 | 8.6 | 47   | 2 | S69145 | gamma-thionin SI-a  |
| 740 | 51.5 | 8.7 | 2895 | 2 | H85362 | hypothetical prote   | 813 | 50.5 | 8.6 | 62   | 2 | I51538 | metallothionein -   |
| 741 | 51.5 | 8.7 | 3512 | 2 | T17121 | CPY protein - midg   | 814 | 50.5 | 8.6 | 90   | 2 | PC2137 | hypothetical 90 pr  |
| 742 | 51   | 8.7 | 87   | 2 | JN0469 | 85K MKK-20 recogni   | 815 | 50.5 | 8.6 | 90   | 2 | PC2136 | LIM1 protein - tru  |
| 743 | 51   | 8.7 | 87   | 2 | A39439 | small cysteine-ric   | 816 | 50.5 | 8.6 | 118  | 2 | S38491 | ig heavy chain - h  |
| 744 | 51   | 8.7 | 114  | 1 | J22168 | lipid transfer pro   | 817 | 50.5 | 8.6 | 122  | 2 | T28977 | hypothetical prote  |
| 745 | 51   | 8.7 | 120  | 2 | J01740 | hypothetical 12.7K   | 818 | 50.5 | 8.6 | 124  | 2 | A21761 | high-cysteine chor  |
| 746 | 51   | 8.7 | 137  | 2 | T15609 | hypothetical prote   | 819 | 50.5 | 8.6 | 144  | 2 | A42585 | trypsin inhibitor   |
| 747 | 51   | 8.7 | 142  | 2 | A71097 | hypothetical prote   | 820 | 50.5 | 8.6 | 151  | 2 | T34245 | hypothetical prote  |
| 748 | 51   | 8.7 | 146  | 2 | D86419 | hypothetical prote   | 821 | 50.5 | 8.6 | 153  | 1 | KKPOC1 | proteinase inhibit  |
| 749 | 51   | 8.7 | 150  | 2 | T47652 | hypothetical prote   | 822 | 50.5 | 8.6 | 154  | 2 | EX7530 | isoquinoline 1-oxi  |
| 750 | 51   | 8.7 | 168  | 2 | D92250 | zinc finger protei   | 823 | 50.5 | 8.6 | 185  | 2 | T34807 | probable transcrip  |
| 751 | 51   | 8.7 | 169  | 2 | T03033 | 5-formyltetrahydro   | 824 | 50.5 | 8.6 | 201  | 2 | T07011 | proteinase inhibit  |
| 752 | 51   | 8.7 | 187  | 2 | H69956 | hypothetical prote   | 825 | 50.5 | 8.6 | 214  | 2 | T19930 | hypothetical prote  |
| 753 | 51   | 8.7 | 205  | 2 | T27278 | collagen alpha 1(I   | 826 | 50.5 | 8.6 | 230  | 2 | T34854 | hypothetical prote  |
| 754 | 51   | 8.7 | 206  | 2 | S18250 | sporozoite antigen   | 827 | 50.5 | 8.6 | 247  | 2 | D75027 | dihydroorotate deh  |
| 755 | 51   | 8.7 | 216  | 2 | S05575 | probable phosphogl   | 828 | 50.5 | 8.6 | 256  | 2 | B32393 | T-call antigen 4-1  |
| 756 | 51   | 8.7 | 226  | 2 | E71478 | endonuclease III -   | 829 | 50.5 | 8.6 | 260  | 1 | A46517 | insulin-like growt  |
| 757 | 51   | 8.7 | 233  | 2 | B69202 | GATA transcription   | 830 | 50.5 | 8.6 | 266  | 1 | A35037 | hypothetical prote  |
| 758 | 51   | 8.7 | 240  | 2 | T47864 | hypothetical prote   | 831 | 50.5 | 8.6 | 267  | 2 | H87665 | probable transposa  |
| 759 | 51   | 8.7 | 253  | 2 | T25768 | hypothetical prote   | 832 | 50.5 | 8.6 | 272  | 2 | H95314 |                     |



|     |      |     |      |   |        |                    |     |      |     |      |   |        |                     |
|-----|------|-----|------|---|--------|--------------------|-----|------|-----|------|---|--------|---------------------|
| 833 | 50.5 | 8.6 | 283  | 2 | T23785 | hypothetical prote | 906 | 50   | 8.5 | 298  | 2 | T33046 | hypothetical prote  |
| 834 | 50.5 | 8.6 | 284  | 2 | T29715 | hypothetical prote | 907 | 50   | 8.5 | 302  | 1 | TPCHTC | tropoin T, cardia   |
| 835 | 50.5 | 8.6 | 304  | 2 | T30716 | hypothetical prote | 908 | 50   | 8.5 | 308  | 2 | S51362 | follistatin-relate  |
| 836 | 50.5 | 8.6 | 316  | 2 | T37286 | collagen 40 - Caen | 909 | 50   | 8.5 | 334  | 2 | H59076 | hypothetical prote  |
| 837 | 50.5 | 8.6 | 308  | 2 | H95293 | probable cyclodeam | 910 | 50   | 8.5 | 351  | 2 | S50754 | hypothetical prote  |
| 838 | 50.5 | 8.6 | 323  | 1 | SYECAC | cysteine synthase  | 911 | 50   | 8.5 | 353  | 2 | D96596 | hypothetical prote  |
| 839 | 50.5 | 8.6 | 323  | 2 | F91039 | cysteine synthase  | 912 | 50   | 8.5 | 359  | 2 | T02833 | threonine aldolase  |
| 840 | 50.5 | 8.6 | 323  | 2 | A85884 | cysteine synthase  | 913 | 50   | 8.5 | 372  | 2 | A83184 | hypothetical prote  |
| 841 | 50.5 | 8.6 | 324  | 2 | T25154 | hypothetical prote | 914 | 50   | 8.5 | 384  | 2 | T19513 | hypothetical prote  |
| 842 | 50.5 | 8.6 | 346  | 2 | A64448 | hypothetical prote | 915 | 50   | 8.5 | 385  | 2 | T31493 | hypothetical prote  |
| 843 | 50.5 | 8.6 | 376  | 2 | D95370 | probable oxidoredu | 916 | 50   | 8.5 | 408  | 2 | AB0710 | succinylornithine   |
| 844 | 50.5 | 8.6 | 389  | 2 | B75363 | glutamate N-acetyl | 917 | 50   | 8.5 | 424  | 2 | S72695 | L-aspartate oxidas  |
| 845 | 50.5 | 8.6 | 390  | 2 | S49491 | methionine adenosy | 918 | 50   | 8.5 | 425  | 2 | D88115 | protein F33C3.11 [  |
| 846 | 50.5 | 8.6 | 390  | 2 | G84785 | probable s-adenosy | 919 | 50   | 8.5 | 427  | 2 | A84966 | serine-tRNA ligase  |
| 847 | 50.5 | 8.6 | 398  | 2 | A35281 | integumentary muc  | 920 | 50   | 8.5 | 431  | 1 | A39588 | NADH2 dehydrogenas  |
| 848 | 50.5 | 8.6 | 428  | 2 | T25944 | LRR47 protein - fr | 921 | 50   | 8.5 | 449  | 2 | B82802 | conserved hypothet  |
| 849 | 50.5 | 8.6 | 473  | 2 | H84550 | probable obtusifol | 922 | 50   | 8.5 | 450  | 2 | T14352 | WD-repeat protein   |
| 850 | 50.5 | 8.6 | 475  | 2 | S54989 | reverse transcript | 923 | 50   | 8.5 | 459  | 2 | D96833 | hypothetical prote  |
| 851 | 50.5 | 8.6 | 475  | 2 | S54993 | reverse transcript | 924 | 50   | 8.5 | 476  | 2 | I80182 | hypothetical prote  |
| 852 | 50.5 | 8.6 | 475  | 2 | S54994 | reverse transcript | 925 | 50   | 8.5 | 478  | 2 | JQ1301 | activin type I rec  |
| 853 | 50.5 | 8.6 | 484  | 2 | T25944 | reverse transcript | 926 | 50   | 8.5 | 481  | 2 | JC4342 | hemorrhagic protei  |
| 854 | 50.5 | 8.6 | 538  | 2 | E84863 | hypothetical prote | 927 | 50   | 8.5 | 481  | 2 | S43125 | fibrinolytic prote  |
| 855 | 50.5 | 8.6 | 559  | 1 | C9HU   | hypothetical prote | 928 | 50   | 8.5 | 487  | 2 | I80183 | trimucin precursor  |
| 856 | 50.5 | 8.6 | 603  | 2 | JC5063 | complement C9 prec | 929 | 50   | 8.5 | 493  | 2 | JC5621 | activin type I rec  |
| 857 | 50.5 | 8.6 | 604  | 2 | F87936 | prostaglandin-endo | 930 | 50   | 8.5 | 511  | 2 | T34359 | epidermal growth f  |
| 858 | 50.5 | 8.6 | 604  | 2 | T23669 | protein M01G12.12  | 931 | 50   | 8.5 | 526  | 2 | D71334 | hypothetical prote  |
| 859 | 50.5 | 8.6 | 618  | 2 | D71055 | hypothetical prote | 932 | 50   | 8.5 | 541  | 2 | T49108 | hypothetical prote  |
| 860 | 50.5 | 8.6 | 657  | 2 | D71351 | probable indolepyr | 933 | 50   | 8.5 | 575  | 2 | S35786 | transcription cont  |
| 861 | 50.5 | 8.6 | 758  | 2 | S51748 | probable primosoma | 934 | 50   | 8.5 | 581  | 2 | B54665 | hypothetical prote  |
| 862 | 50.5 | 8.6 | 769  | 2 | A41029 | lethal(2)denticlel | 935 | 50   | 8.5 | 610  | 2 | S84126 | succinate dehydrog  |
| 863 | 50.5 | 8.6 | 814  | 2 | A95206 | integrin beta-8 ch | 936 | 50   | 8.5 | 665  | 1 | A42792 | probable periplasm  |
| 864 | 50.5 | 8.6 | 821  | 2 | T02419 | glycosyl transfera | 937 | 50   | 8.5 | 666  | 2 | F71310 | hypothetical prote  |
| 865 | 50.5 | 8.6 | 855  | 2 | T52415 | Mutator-like trans | 938 | 50   | 8.5 | 669  | 2 | T06702 | hypothetical prote  |
| 866 | 50.5 | 8.6 | 856  | 2 | JC7731 | membrane-bound arg | 939 | 50   | 8.5 | 686  | 2 | B75267 | prollyl endopeptida |
| 867 | 50.5 | 8.6 | 856  | 2 | T52415 | polycarb protein E | 940 | 50   | 8.5 | 686  | 2 | T25987 | hypothetical prote  |
| 868 | 50.5 | 8.6 | 898  | 2 | T01503 | hypothetical prote | 941 | 50   | 8.5 | 704  | 2 | T03478 | probable DNA-direc  |
| 869 | 50.5 | 8.6 | 955  | 2 | S56649 | hypothetical prote | 942 | 50   | 8.5 | 759  | 2 | T44142 | DR1 protein (impor  |
| 870 | 50.5 | 8.6 | 987  | 2 | A54032 | pyruvate, phosphat | 943 | 50   | 8.5 | 775  | 2 | S28284 | hypothetical prote  |
| 871 | 50.5 | 8.6 | 1018 | 2 | T19693 | protein-tyrosine k | 944 | 50   | 8.5 | 780  | 2 | T27941 | hypothetical prote  |
| 872 | 50.5 | 8.6 | 1019 | 1 | A56318 | hypothetical prote | 945 | 50   | 8.5 | 782  | 2 | E88556 | protein B0464.5c [  |
| 873 | 50.5 | 8.6 | 1045 | 2 | S55253 | enteropeptidase (E | 946 | 50   | 8.5 | 887  | 2 | S57430 | probable formate d  |
| 874 | 50.5 | 8.6 | 1053 | 2 | S46139 | sucrose-phosphate  | 947 | 50   | 8.5 | 889  | 2 | T23299 | hypothetical prote  |
| 875 | 50.5 | 8.6 | 1087 | 2 | S28282 | probable complemen | 948 | 50   | 8.5 | 916  | 2 | G75417 | SNF2/Rad54 helicase |
| 876 | 50.5 | 8.6 | 1164 | 2 | T06144 | hypothetical prote | 949 | 50   | 8.5 | 1054 | 2 | A61221 | probable calcium t  |
| 877 | 50.5 | 8.6 | 1193 | 2 | A86193 | disease resistance | 950 | 50   | 8.5 | 1054 | 2 | T30933 | chitinase (EC 3.2.  |
| 878 | 50.5 | 8.6 | 1237 | 2 | T46609 | hypothetical prote | 951 | 50   | 8.5 | 1093 | 2 | F88556 | protein B0464.5a [  |
| 879 | 50.5 | 8.6 | 1384 | 1 | T02748 | calcium-activated  | 952 | 50   | 8.5 | 1108 | 2 | JC4037 | alpha-mannosidase   |
| 880 | 50.5 | 8.6 | 1551 | 1 | A43384 | hypothetical prote | 953 | 50   | 8.5 | 1113 | 2 | S50613 | hypothetical prote  |
| 881 | 50.5 | 8.6 | 1627 | 2 | S65464 | M polyprotein prec | 954 | 50   | 8.5 | 1206 | 1 | VGUVRV | M polyprotein - Pi  |
| 882 | 50.5 | 8.6 | 2225 | 2 | T26063 | pregnancy-associat | 955 | 50   | 8.5 | 1210 | 2 | A33183 | epidermal growth f  |
| 883 | 50.5 | 8.6 | 2599 | 2 | A96616 | hypothetical prote | 956 | 50   | 8.5 | 1280 | 2 | A39117 | 170K lectin precu   |
| 884 | 50   | 8.5 | 44   | 2 | I48942 | unknown protein F1 | 957 | 50   | 8.5 | 1391 | 2 | S73652 | RNA polymerase bet  |
| 885 | 50   | 8.5 | 87   | 2 | T00669 | cellular disintegr | 958 | 50   | 8.5 | 1481 | 1 | QZDOP3 | pyrimidine synthes  |
| 886 | 50   | 8.5 | 96   | 1 | XUHOB  | Na+-channel-blocki | 959 | 50   | 8.5 | 1613 | 2 | JB0272 | low density lipopor |
| 887 | 50   | 8.5 | 98   | 2 | S42596 | colipase B precurs | 960 | 50   | 8.5 | 1661 | 2 | T31330 | head-activator bin  |
| 888 | 50   | 8.5 | 98   | 2 | AG3416 | hypothetical prote | 961 | 50   | 8.5 | 2120 | 2 | T30243 | alpha tectorin - c  |
| 889 | 50   | 8.5 | 100  | 2 | T17962 | hypothetical prote | 962 | 50   | 8.5 | 2499 | 1 | A30788 | mannose 6-phosphat  |
| 890 | 50   | 8.5 | 103  | 2 | T25294 | hypothetical prote | 963 | 50   | 8.5 | 2910 | 2 | T42214 | otogelin - mouse    |
| 891 | 50   | 8.5 | 113  | 2 | T07855 | translation elonga | 964 | 50   | 8.5 | 3005 | 2 | T08841 | polypotein - dour   |
| 892 | 50   | 8.5 | 131  | 2 | A97791 | nifu protein (impo | 965 | 50   | 8.5 | 61   | 2 | C81079 | hypothetical prote  |
| 893 | 50   | 8.5 | 147  | 2 | JC7237 | receptor-activit-  | 966 | 50   | 8.5 | 73   | 2 | E35982 | trigraamin gamma -  |
| 894 | 50   | 8.5 | 176  | 2 | T31796 | hypothetical prote | 967 | 49.5 | 8.4 | 73   | 2 | D35982 | trigraamin beta-2 - |
| 895 | 50   | 8.5 | 193  | 2 | FQ0503 | surface protein -  | 968 | 49.5 | 8.4 | 73   | 2 | A23731 | albolabrin - green  |
| 896 | 50   | 8.5 | 193  | 2 | T16566 | hypothetical prote | 969 | 49.5 | 8.4 | 74   | 2 | S05594 | pseudothionin St1   |
| 897 | 50   | 8.5 | 204  | 2 | T35410 | hypothetical prote | 970 | 49.5 | 8.4 | 90   | 1 | IPWTB1 | bombyxin B-1 precu  |
| 898 | 50   | 8.5 | 233  | 2 | T47136 | hypothetical prote | 971 | 49.5 | 8.4 | 90   | 1 | IPWTB2 | bombyxin B-2 precu  |
| 899 | 50   | 8.5 | 239  | 1 | Q4ECTD | hypothetical 26.3K | 972 | 49.5 | 8.4 | 109  | 2 | E84202 | ferredoxin (impor   |
| 900 | 50   | 8.5 | 249  | 2 | E69546 | conserved hypothet | 973 | 49.5 | 8.4 | 118  | 2 | T45791 | non-specific lipid  |
| 901 | 50   | 8.5 | 256  | 2 | T06669 | hypothetical prote | 974 | 49.5 | 8.4 | 119  | 2 | T07984 | lipid transfer pro  |
| 902 | 50   | 8.5 | 269  | 2 | A81998 | dihydrodipicolinat | 975 | 49.5 | 8.4 | 134  | 1 | WYMS   | whay acidic protei  |
| 903 | 50   | 8.5 | 282  | 1 | YPDOD1 | prestalk D11 prote | 976 | 49.5 | 8.4 | 138  | 2 | A05215 | hypothetical prote  |
| 904 | 50   | 8.5 | 288  | 2 | S46536 | chitinase (EC 3.2. | 977 | 49.5 | 8.4 |      |   |        |                     |
| 905 | 50   | 8.5 | 297  | 2 | T46590 | probable regulator | 978 | 49.5 | 8.4 |      |   |        |                     |

|      |      |     |      |   |        |                    |      |      |     |      |   |        |                      |
|------|------|-----|------|---|--------|--------------------|------|------|-----|------|---|--------|----------------------|
| 979  | 49.5 | 8.4 | 142  | 2 | S54243 | Ig mu heavy chain  | 1052 | 49.5 | 8.4 | 1745 | 2 | A46431 | tight junction-ass   |
| 980  | 49.5 | 8.4 | 142  | 2 | H72600 | hypothetical prote | 1053 | 49.5 | 8.4 | 2025 | 2 | T03884 | hypothetical prote   |
| 981  | 49.5 | 8.4 | 147  | 2 | G83586 | hypothetical prote | 1054 | 49.5 | 8.4 | 2149 | 2 | T47655 | genome polyprotein   |
| 982  | 49.5 | 8.4 | 163  | 2 | B83445 | probable oxidoredu | 1055 | 49.5 | 8.4 | 2156 | 1 | RRVUNE | odx protein - frui   |
| 983  | 49.5 | 8.4 | 165  | 2 | E95890 | probable oxidoredu | 1056 | 49.5 | 8.4 | 2406 | 2 | A54148 | tenascin-like prot   |
| 984  | 49.5 | 8.4 | 170  | 2 | T51042 | hypothetical prote | 1057 | 49.5 | 8.4 | 2515 | 2 | S47008 | chondroitin sulfat   |
| 985  | 49.5 | 8.4 | 176  | 2 | T48699 | hypothetical prote | 1058 | 49.5 | 8.4 | 3562 | 2 | A47171 | metallothionein 1    |
| 986  | 49.5 | 8.4 | 202  | 2 | T24524 | deoxyphosphoglucon | 1059 | 49   | 8.3 | 63   | 2 | A34905 | carboxypeptidase A   |
| 987  | 49.5 | 8.4 | 208  | 2 | C96948 | hypothetical prote | 1060 | 49   | 8.3 | 65   | 2 | S03858 | hypothetical prote   |
| 988  | 49.5 | 8.4 | 213  | 2 | E71212 | probable respirato | 1061 | 49   | 8.3 | 67   | 2 | PC4008 | orf 5' to pheC - p   |
| 989  | 49.5 | 8.4 | 246  | 2 | E70556 | fibroblast growth  | 1062 | 49   | 8.3 | 72   | 2 | A42325 | salivary glue prot   |
| 990  | 49.5 | 8.4 | 256  | 2 | T50658 | expansin 9 [import | 1063 | 49   | 8.3 | 74   | 1 | GSFF7  | hypothetical prote   |
| 991  | 49.5 | 8.4 | 257  | 2 | G84353 | plasma membrane in | 1064 | 49   | 8.3 | 74   | 2 | T24715 | pancreatic ribonuc   |
| 992  | 49.5 | 8.4 | 274  | 2 | T22734 | insulin-like growt | 1065 | 49   | 8.3 | 93   | 2 | S72363 | protein F12A21.1     |
| 993  | 49.5 | 8.4 | 285  | 2 | T06434 | anaerobic sulfite  | 1066 | 49   | 8.3 | 96   | 2 | B96701 | hypothetical prote   |
| 994  | 49.5 | 8.4 | 305  | 2 | I48601 | UDP-N-acetylglucos | 1067 | 49   | 8.3 | 116  | 2 | H69338 | hypothetical prote   |
| 995  | 49.5 | 8.4 | 320  | 2 | C97086 | peptidoglycan tran | 1068 | 49   | 8.3 | 117  | 2 | A24178 | pancreatic-type ri   |
| 996  | 49.5 | 8.4 | 357  | 2 | C72022 | DNA-binding protei | 1069 | 49   | 8.3 | 127  | 1 | NRBOK2 | iron-sulfur cofact   |
| 997  | 49.5 | 8.4 | 357  | 2 | F86603 | conglutinin precu  | 1070 | 49   | 8.3 | 131  | 2 | H71651 | hypothetical prote   |
| 998  | 49.5 | 8.4 | 369  | 2 | S72734 | conglutinin - bovi | 1071 | 49   | 8.3 | 132  | 2 | T20463 | Ig heavy chain V r   |
| 999  | 49.5 | 8.4 | 371  | 1 | JN0450 | alcohol dehydrogen | 1072 | 49   | 8.3 | 134  | 2 | S54906 | phospholipase A2 (   |
| 1000 | 49.5 | 8.4 | 371  | 2 | I45878 | site-specific DNA- | 1073 | 49   | 8.3 | 145  | 1 | PSK220 | NADH2 dehydrogenas   |
| 1001 | 49.5 | 8.4 | 375  | 1 | DEM8AA | type II DNA modifi | 1074 | 49   | 8.3 | 155  | 2 | S59155 | paba protein Ser     |
| 1002 | 49.5 | 8.4 | 379  | 1 | F64633 | hypothetical prote | 1075 | 49   | 8.3 | 191  | 2 | S09635 | surface protein - re |
| 1003 | 49.5 | 8.4 | 381  | 2 | A71882 | probable FAD-link  | 1076 | 49   | 8.3 | 193  | 2 | PQ0504 | omega-conotoxin re   |
| 1004 | 49.5 | 8.4 | 397  | 2 | T22932 | transporter, proba | 1077 | 49   | 8.3 | 203  | 2 | JH0719 | hypothetical prote   |
| 1005 | 49.5 | 8.4 | 408  | 2 | H87193 | hypothetical prote | 1078 | 49   | 8.3 | 213  | 2 | H75434 | ZNF80 homolog - gr   |
| 1006 | 49.5 | 8.4 | 411  | 2 | A87390 | hypothetical prote | 1079 | 49   | 8.3 | 219  | 2 | E82825 | hypothetical prote   |
| 1007 | 49.5 | 8.4 | 416  | 2 | T32458 | 3-oxoacyl-(acyl ca | 1080 | 49   | 8.3 | 221  | 2 | T02923 | probable oxalate o   |
| 1008 | 49.5 | 8.4 | 420  | 2 | AF0711 | probable solute-bi | 1081 | 49   | 8.3 | 239  | 2 | F83366 | conserved hypoteth   |
| 1009 | 49.5 | 8.4 | 428  | 2 | RP0302 | 3-oxoacyl-acyl car | 1082 | 49   | 8.3 | 247  | 2 | S13813 | trypsin (SC 3.4.21   |
| 1010 | 49.5 | 8.4 | 442  | 2 | F97493 | probable cytochrom | 1083 | 49   | 8.3 | 295  | 2 | T04483 | probable ring fing   |
| 1011 | 49.5 | 8.4 | 483  | 2 | T06712 | probable cytochrom | 1084 | 49   | 8.3 | 300  | 2 | T49748 | hypothetical prote   |
| 1012 | 49.5 | 8.4 | 490  | 2 | T06711 | probable cytochrom | 1085 | 49   | 8.3 | 302  | 2 | T26513 | hypothetical prote   |
| 1013 | 49.5 | 8.4 | 501  | 2 | S56163 | tumor necrosis fac | 1086 | 49   | 8.3 | 325  | 2 | E95349 | hypothetical prote   |
| 1014 | 49.5 | 8.4 | 526  | 2 | JT0528 | amine oxidase (fla | 1087 | 49   | 8.3 | 358  | 2 | T33484 | matrix protein - m   |
| 1015 | 49.5 | 8.4 | 527  | 2 | JB0373 | low density lipopr | 1088 | 49   | 8.3 | 375  | 1 | A60004 | fibromodulin precu   |
| 1016 | 49.5 | 8.4 | 530  | 2 | C47113 | glucuronosyltransf | 1089 | 49   | 8.3 | 375  | 2 | S05390 | 45K WW domain-cont   |
| 1017 | 49.5 | 8.4 | 554  | 2 | B85072 | hypothetical prote | 1090 | 49   | 8.3 | 386  | 2 | JQ0189 | oligogalacturonide   |
| 1018 | 49.5 | 8.4 | 573  | 2 | H96744 | probable cytosolic | 1091 | 49   | 8.3 | 415  | 2 | S60078 | Runt domain contai   |
| 1019 | 49.5 | 8.4 | 608  | 2 | T02684 | MYB-related transc | 1092 | 49   | 8.3 | 430  | 2 | T46317 | hypothetical prote   |
| 1020 | 49.5 | 8.4 | 642  | 1 | S52111 | uromodulin precu   | 1093 | 49   | 8.3 | 439  | 2 | A36385 | surface antigen se   |
| 1021 | 49.5 | 8.4 | 646  | 2 | JN0473 | P-selectin precurs | 1094 | 49   | 8.3 | 453  | 2 | T01114 | hypothetical prote   |
| 1022 | 49.5 | 8.4 | 651  | 2 | B85024 | probable CHP-rich  | 1095 | 49   | 8.3 | 465  | 2 | I49693 | glucokinase (SC 2.7  |
| 1023 | 49.5 | 8.4 | 661  | 2 | T42754 | hypothetical prote | 1096 | 49   | 8.3 | 468  | 2 | B40228 | hexokinase (EC 2.7   |
| 1024 | 49.5 | 8.4 | 679  | 2 | A40351 | adhesion-type prot | 1097 | 49   | 8.3 | 469  | 2 | G86638 | cationic amino aci   |
| 1025 | 49.5 | 8.4 | 680  | 2 | S17982 | Kallmann syndrome  | 1098 | 49   | 8.3 | 476  | 2 | A44170 | membrane-bound rib   |
| 1026 | 49.5 | 8.4 | 689  | 2 | T52060 | protein MEDEA [imp | 1099 | 49   | 8.3 | 490  | 2 | T06714 | probable cytochrom   |
| 1027 | 49.5 | 8.4 | 741  | 2 | T13042 | NADH2 dehydrogenas | 1100 | 49   | 8.3 | 498  | 2 | S12061 | hexokinase (EC 2.7   |
| 1028 | 49.5 | 8.4 | 741  | 2 | T13658 | NADH2 dehydrogenas | 1101 | 49   | 8.3 | 500  | 2 | H92570 | hypothetical prote   |
| 1029 | 49.5 | 8.4 | 744  | 2 | T13757 | probable protein k | 1102 | 49   | 8.3 | 503  | 2 | JH0174 | nicotinic acetylch   |
| 1030 | 49.5 | 8.4 | 756  | 2 | S60966 | fertilin alpha-II  | 1103 | 49   | 8.3 | 524  | 2 | T44889 | probable aminopept   |
| 1031 | 49.5 | 8.4 | 825  | 2 | S50560 | ribonucleoside-dip | 1104 | 49   | 8.3 | 525  | 2 | T41663 | probable transcrip   |
| 1032 | 49.5 | 8.4 | 826  | 1 | QB0E11 | probable beta-gala | 1105 | 49   | 8.3 | 527  | 2 | T04329 | importin alpha - t   |
| 1033 | 49.5 | 8.4 | 853  | 2 | T04600 | late expression fa | 1106 | 49   | 8.3 | 556  | 1 | S12602 | 60K Cysteine-ri      |
| 1034 | 49.5 | 8.4 | 874  | 2 | T30398 | receptor-like tyro | 1107 | 49   | 8.3 | 556  | 2 | A86560 | conserved hypoteth   |
| 1035 | 49.5 | 8.4 | 893  | 2 | S51603 | fertilin alpha-I - | 1108 | 49   | 8.3 | 568  | 2 | JC5629 | mullerian-inhibiti   |
| 1036 | 49.5 | 8.4 | 905  | 2 | S55059 | subtilisin-like pr | 1109 | 49   | 8.3 | 592  | 2 | D63231 | RNase L inhibitor    |
| 1037 | 49.5 | 8.4 | 915  | 1 | A48225 | telencephalin prec | 1110 | 49   | 8.3 | 593  | 2 | S45281 | probable short-cha   |
| 1038 | 49.5 | 8.4 | 917  | 2 | I48950 | endopeptidase Clp  | 1111 | 49   | 8.3 | 603  | 2 | A38630 | coagulation factor   |
| 1039 | 49.5 | 8.4 | 926  | 1 | A35905 | protein-tyrosine k | 1112 | 49   | 8.3 | 606  | 2 | A54665 | prostaglandin-endo   |
| 1040 | 49.5 | 8.4 | 988  | 2 | I50611 | receptor protein-t | 1113 | 49   | 8.3 | 616  | 2 | A55796 | netrin-1 precursor   |
| 1041 | 49.5 | 8.4 | 988  | 2 | I58351 | receptor tyrosine  | 1114 | 49   | 8.3 | 642  | 2 | S53433 | ecarin precursor -   |
| 1042 | 49.5 | 8.4 | 1005 | 2 | S49015 | DNA-directed RNA p | 1115 | 49   | 8.3 | 658  | 2 | A86231 | plasma protein S p   |
| 1043 | 49.5 | 8.4 | 1188 | 2 | T05846 | DNA-directed RNA p | 1116 | 49   | 8.3 | 663  | 1 | A38283 | hypothetical prote   |
| 1044 | 49.5 | 8.4 | 1191 | 2 | S65068 | hypothetical prote | 1117 | 49   | 8.3 | 682  | 2 | B86336 | hypothetical prote   |
| 1045 | 49.5 | 8.4 | 1221 | 2 | T23472 | structural polypro | 1118 | 49   | 8.3 | 686  | 2 | G87446 | potassium-transpor   |
| 1046 | 49.5 | 8.4 | 1255 | 1 | B44213 | protein-tyrosine k | 1119 | 49   | 8.3 |      |   |        |                      |
| 1047 | 49.5 | 8.4 | 1367 | 2 | A41228 | hypothetical prote | 1120 | 49   | 8.3 |      |   |        |                      |
| 1048 | 49.5 | 8.4 | 1372 | 2 | T25933 | hypothetical prote | 1121 | 49   | 8.3 |      |   |        |                      |
| 1049 | 49.5 | 8.4 | 1607 | 1 | MMMSB2 | laminin gamma-1 ch | 1122 | 49   | 8.3 |      |   |        |                      |
| 1050 | 49.5 | 8.4 | 1614 | 2 | T29861 | hypothetical prote | 1123 | 49   | 8.3 |      |   |        |                      |
| 1051 | 49.5 | 8.4 | 1711 | 2 | AD1842 | WD-40 repeat prote | 1124 | 49   | 8.3 |      |   |        |                      |

|      |      |     |      |   |         |                     |      |      |     |     |   |        |                     |
|------|------|-----|------|---|---------|---------------------|------|------|-----|-----|---|--------|---------------------|
| 1125 | 49   | 8.3 | 687  | 2 | T49226  | hypothetical prote  | 1198 | 48.5 | 8.2 | 232 | 2 | A41551 | vascular endotheli  |
| 1126 | 49   | 8.3 | 699  | 2 | T12170  | NADH2 dehydrogenas  | 1199 | 48.5 | 8.2 | 237 | 2 | S08073 | cyclic nucleotide   |
| 1127 | 49   | 8.3 | 700  | 2 | T06088  | hypothetical prote  | 1200 | 48.5 | 8.2 | 250 | 2 | C87489 | hypothetical prote  |
| 1128 | 49   | 8.3 | 727  | 2 | JC2222  | major surface glyco | 1201 | 48.5 | 8.2 | 250 | 2 | T30124 | hypothetical prote  |
| 1129 | 49   | 8.3 | 727  | 2 | E84847  | probable CCH-type   | 1202 | 48.5 | 8.2 | 257 | 2 | T71544 | hypothetical prote  |
| 1130 | 49   | 8.3 | 736  | 2 | A99279  | hypothetical prote  | 1203 | 48.5 | 8.2 | 281 | 2 | T09124 | probable aquaporin  |
| 1131 | 49   | 8.3 | 739  | 2 | H85245  | Vpi like protein [  | 1204 | 48.5 | 8.2 | 289 | 2 | JC7279 | Down syndrome crit  |
| 1132 | 49   | 8.3 | 739  | 2 | T05163  | hypothetical prote  | 1205 | 48.5 | 8.2 | 291 | 2 | AF0749 | probable cation tr  |
| 1133 | 49   | 8.3 | 754  | 2 | AH3004  | vgrg protein [lmpo  | 1206 | 48.5 | 8.2 | 298 | 2 | T27644 | hypothetical prote  |
| 1134 | 49   | 8.3 | 786  | 2 | T02729  | serine/threonine-s  | 1207 | 48.5 | 8.2 | 304 | 2 | A33274 | insulin-like growt  |
| 1135 | 49   | 8.3 | 790  | 2 | H71509  | phenylalanine-tRNA  | 1208 | 48.5 | 8.2 | 305 | 2 | JN0508 | insulin-like growt  |
| 1136 | 49   | 8.3 | 798  | 2 | B27079  | fibronectin recept  | 1209 | 48.5 | 8.2 | 306 | 2 | E97471 | hypothetical prote  |
| 1137 | 49   | 8.3 | 814  | 2 | T49207  | receptor kinase-li  | 1210 | 48.5 | 8.2 | 307 | 2 | F71294 | hypothetical prote  |
| 1138 | 49   | 8.3 | 816  | 2 | B98196  | hypothetical prote  | 1211 | 48.5 | 8.2 | 317 | 2 | A36066 | trans-activator of  |
| 1139 | 49   | 8.3 | 816  | 2 | AH3090  | vgrg protein [lmpo  | 1212 | 48.5 | 8.2 | 317 | 2 | D86070 | regulator for metE  |
| 1140 | 49   | 8.3 | 875  | 2 | F96027  | probable maltoolig  | 1213 | 48.5 | 8.2 | 317 | 2 | F91223 | regulator for metE  |
| 1141 | 49   | 8.3 | 879  | 1 | QRRTLD  | LDL receptor precu  | 1214 | 48.5 | 8.2 | 320 | 2 | S22450 | 3-oxoacyl-(acyl-ca  |
| 1142 | 49   | 8.3 | 910  | 2 | A34721  | androgen receptor   | 1215 | 48.5 | 8.2 | 320 | 2 | A53119 | cell adhesion glyco |
| 1143 | 49   | 8.3 | 911  | 2 | B34721  | androgen receptor   | 1216 | 48.5 | 8.2 | 343 | 2 | S03415 | hypothetical prote  |
| 1144 | 49   | 8.3 | 925  | 2 | JC2033  | G protein-coupled   | 1217 | 48.5 | 8.2 | 346 | 2 | T34129 | hypothetical prote  |
| 1145 | 49   | 8.3 | 973  | 2 | T01862  | hypothetical prote  | 1218 | 48.5 | 8.2 | 350 | 2 | S06758 | glycerol-3-phospha  |
| 1146 | 49   | 8.3 | 976  | 2 | A36355  | protein-tyrosine k  | 1219 | 48.5 | 8.2 | 351 | 2 | S72817 | probable glycoprot  |
| 1147 | 49   | 8.3 | 1019 | 2 | T13039  | tyrosine kinase re  | 1220 | 48.5 | 8.2 | 352 | 2 | J50023 | glycerol-3-phospha  |
| 1148 | 49   | 8.3 | 1042 | 2 | T26644  | hypothetical prote  | 1221 | 48.5 | 8.2 | 353 | 2 | S06760 | glycerol-3-phospha  |
| 1149 | 49   | 8.3 | 1081 | 2 | T15692  | hypothetical prote  | 1222 | 48.5 | 8.2 | 353 | 2 | S31790 | glycerol-3-phospha  |
| 1150 | 49   | 8.3 | 1115 | 2 | S40241  | G protein-coupled   | 1223 | 48.5 | 8.2 | 354 | 1 | LD4243 | proteoglycan link   |
| 1151 | 49   | 8.3 | 1176 | 2 | C26427  | period clock prote  | 1224 | 48.5 | 8.2 | 355 | 1 | LXCH   | Ig alpha chain C r  |
| 1152 | 49   | 8.3 | 1176 | 2 | S40899  | Vps8 protein - yea  | 1225 | 48.5 | 8.2 | 357 | 2 | S09267 | glycerol-3-phospha  |
| 1153 | 49   | 8.3 | 1260 | 1 | TVRTNU  | protein-tyrosine k  | 1226 | 48.5 | 8.2 | 360 | 1 | S06759 | glycerol-3-phospha  |
| 1154 | 49   | 8.3 | 1343 | 2 | T20718  | hypothetical prote  | 1227 | 48.5 | 8.2 | 362 | 2 | S21963 | conserved hypothet  |
| 1155 | 49   | 8.3 | 1353 | 1 | JQ2168  | E2 glycoprotein pr  | 1228 | 48.5 | 8.2 | 362 | 2 | C71281 | glycerol-3-phospha  |
| 1156 | 49   | 8.3 | 1361 | 2 | S29998  | surface protein -   | 1229 | 48.5 | 8.2 | 363 | 2 | S23137 | glycerol-3-phospha  |
| 1157 | 49   | 8.3 | 1362 | 2 | A37474  | surface glycoprote  | 1230 | 48.5 | 8.2 | 369 | 2 | T48612 | hypothetical prote  |
| 1158 | 49   | 8.3 | 1363 | 1 | VGIHOU  | E2 glycoprotein pr  | 1231 | 48.5 | 8.2 | 372 | 2 | S01028 | lignin peroxidase   |
| 1159 | 49   | 8.3 | 1363 | 1 | VGIHVA  | E2 glycoprotein pr  | 1232 | 48.5 | 8.2 | 372 | 2 | J70402 | lignin peroxidase   |
| 1160 | 49   | 8.3 | 1363 | 1 | VGIHFL  | E2 glycoprotein pr  | 1233 | 48.5 | 8.2 | 372 | 2 | A23232 | lignin peroxidase   |
| 1161 | 49   | 8.3 | 1363 | 1 | VGIHFL  | E2 glycoprotein pr  | 1234 | 48.5 | 8.2 | 375 | 1 | SG2638 | alcohol dehydrogen  |
| 1162 | 49   | 8.3 | 1363 | 2 | S44241  | surface protein -   | 1235 | 48.5 | 8.2 | 396 | 1 | D33E8  | DUP dihydrophatase  |
| 1163 | 49   | 8.3 | 1363 | 2 | S44241  | surface protein -   | 1236 | 48.5 | 8.2 | 397 | 2 | D83311 | conserved hypothet  |
| 1164 | 49   | 8.3 | 1363 | 2 | S44240  | surface protein -   | 1237 | 48.5 | 8.2 | 400 | 2 | T46383 | hypothetical prote  |
| 1165 | 49   | 8.3 | 1425 | 2 | T30811  | hepatocyte growth   | 1238 | 48.5 | 8.2 | 404 | 2 | S75529 | beta ketoacyl-acyl  |
| 1166 | 49   | 8.3 | 1516 | 2 | T01055  | hypothetical prote  | 1239 | 48.5 | 8.2 | 433 | 1 | JN0560 | u-plasminogen acti  |
| 1167 | 49   | 8.3 | 1526 | 2 | T19473  | hypothetical prote  | 1240 | 48.5 | 8.2 | 433 | 2 | B82965 | hypothetical prote  |
| 1168 | 49   | 8.3 | 1645 | 2 | T31339  | carbamoyl-phosphat  | 1241 | 48.5 | 8.2 | 448 | 2 | S41725 | integrase - Saccha  |
| 1169 | 49   | 8.3 | 1770 | 2 | S56221  | hypothetical prote  | 1242 | 48.5 | 8.2 | 455 | 2 | S33033 | hypothetical prote  |
| 1170 | 49   | 8.3 | 2019 | 1 | JQ1322  | tenascin precursor  | 1243 | 48.5 | 8.2 | 464 | 2 | G83370 | hydrogen cyanide s  |
| 1171 | 49   | 8.3 | 2155 | 2 | T30197  | alpha tectorin - m  | 1244 | 48.5 | 8.2 | 470 | 2 | A2188  | hypothetical prote  |
| 1172 | 49   | 8.3 | 2588 | 2 | T14342  | NSDI protein - mou  | 1245 | 48.5 | 8.2 | 476 | 2 | S57963 | methyl CpG binding  |
| 1173 | 49   | 8.3 | 3938 | 2 | T42761  | Bassoon protein -   | 1246 | 48.5 | 8.2 | 489 | 2 | T06715 | probable cytochrom  |
| 1174 | 49   | 8.3 | 4302 | 1 | A38971  | polycystic kidney   | 1247 | 48.5 | 8.2 | 498 | 2 | H82679 | two-component syst  |
| 1175 | 48.5 | 8.2 | 54   | 1 | S23075  | protein PMP-D1 - m  | 1248 | 48.5 | 8.2 | 504 | 2 | T27914 | hypothetical prote  |
| 1176 | 48.5 | 8.2 | 79   | 2 | T06381  | proteinase inhibit  | 1249 | 48.5 | 8.2 | 506 | 2 | S37583 | RING finger protei  |
| 1177 | 48.5 | 8.2 | 112  | 2 | S54832  | gpi protein - gar   | 1250 | 48.5 | 8.2 | 513 | 1 | TVHURF | ret finger protein  |
| 1178 | 48.5 | 8.2 | 118  | 1 | PSKFT2  | phospholipase A2 (  | 1251 | 48.5 | 8.2 | 521 | 2 | I51693 | XpPolycomb - Africa |
| 1179 | 48.5 | 8.2 | 119  | 2 | T14396  | lipid transfer pro  | 1252 | 48.5 | 8.2 | 524 | 2 | T23907 | hypothetical prote  |
| 1180 | 48.5 | 8.2 | 120  | 2 | PH1650  | Ig heavy chain V r  | 1253 | 48.5 | 8.2 | 543 | 2 | G87635 | phytoene dehydroge  |
| 1181 | 48.5 | 8.2 | 127  | 2 | S24689  | Ig heavy chain V6   | 1254 | 48.5 | 8.2 | 577 | 2 | T33227 | hypothetical prote  |
| 1182 | 48.5 | 8.2 | 134  | 2 | AH1877  | hypothetical prote  | 1255 | 48.5 | 8.2 | 586 | 2 | F85857 | probable ATP-depen  |
| 1183 | 48.5 | 8.2 | 135  | 2 | G83671  | hypothetical prote  | 1256 | 48.5 | 8.2 | 586 | 2 | D91013 | probable ATP-depen  |
| 1184 | 48.5 | 8.2 | 144  | 2 | C71252  | hypothetical prote  | 1257 | 48.5 | 8.2 | 586 | 2 | G49987 | yejH protein - Esc  |
| 1185 | 48.5 | 8.2 | 150  | 2 | T46301  | hypothetical prote  | 1258 | 48.5 | 8.2 | 605 | 2 | H69581 | transcription acti  |
| 1186 | 48.5 | 8.2 | 151  | 2 | T25047  | hypothetical prote  | 1259 | 48.5 | 8.2 | 614 | 2 | S42526 | finger protein unk  |
| 1187 | 48.5 | 8.2 | 165  | 2 | T39626  | nicotine dehydroge  | 1260 | 48.5 | 8.2 | 634 | 1 | S35574 | transcription fact  |
| 1188 | 48.5 | 8.2 | 169  | 1 | I38946  | ultra high-sulfur   | 1261 | 48.5 | 8.2 | 640 | 2 | T19346 | hypothetical prote  |
| 1189 | 48.5 | 8.2 | 172  | 2 | AD0570  | fimbria-like prote  | 1262 | 48.5 | 8.2 | 642 | 2 | S53434 | plasma protein S p  |
| 1190 | 48.5 | 8.2 | 174  | 2 | T015176 | hypothetical prote  | 1263 | 48.5 | 8.2 | 668 | 1 | Q0BEW1 | UL52 protein - hum  |
| 1191 | 48.5 | 8.2 | 177  | 1 | CYDFAA  | alpha-crystallin c  | 1264 | 48.5 | 8.2 | 675 | 1 | KXBOS  | plasma protein S p  |
| 1192 | 48.5 | 8.2 | 188  | 2 | F97428  | hypothetical prote  | 1265 | 48.5 | 8.2 | 702 | 2 | E72775 | probable helicase   |
| 1193 | 48.5 | 8.2 | 190  | 2 | S22130  | vascular endotheli  | 1266 | 48.5 | 8.2 | 726 | 2 | H82774 | phage-related DNA   |
| 1194 | 48.5 | 8.2 | 203  | 2 | S54800  | nitrite hydratase   | 1267 | 48.5 | 8.2 | 772 | 2 | T02805 | chloride channel p  |
| 1195 | 48.5 | 8.2 | 203  | 2 | S19714  | nitrite hydratase   | 1268 | 48.5 | 8.2 | 786 | 2 | AG2375 | WD-40 repeat-prote  |
| 1196 | 48.5 | 8.2 | 207  | 2 | C70856  | hypothetical prote  | 1269 | 48.5 | 8.2 | 810 | 2 | B30848 | plasma (EC 3.4.21   |
| 1197 | 48.5 | 8.2 | 207  | 2 | B83523  | hypothetical prote  | 1270 | 48.5 | 8.2 | 860 | 2 | T39502 | hypothetical prote  |

|      |      |     |      |   |        |                    |      |    |     |      |   |        |                    |
|------|------|-----|------|---|--------|--------------------|------|----|-----|------|---|--------|--------------------|
| 1271 | 48.5 | 8.2 | 932  | 2 | T45894 | hypothetical prote | 1344 | 48 | 8.1 | 431  | 2 | S56228 | alpha-factor recep |
| 1272 | 48.5 | 8.2 | 958  | 2 | H84783 | probable PHF-type  | 1345 | 48 | 8.1 | 442  | 2 | S50062 | cell wall glycopro |
| 1273 | 48.5 | 8.2 | 982  | 2 | B83021 | glutamate-ammonia- | 1346 | 48 | 8.1 | 455  | 2 | T32189 | zinc finger protei |
| 1274 | 48.5 | 8.2 | 1019 | 2 | A38738 | coagulation factor | 1347 | 48 | 8.1 | 457  | 2 | G20662 | glycine receptor a |
| 1275 | 48.5 | 8.2 | 1021 | 2 | T05108 | hypothetical prote | 1348 | 48 | 8.1 | 482  | 2 | G83490 | probable outer mem |
| 1276 | 48.5 | 8.2 | 1074 | 2 | JC5928 | semaphorin F precu | 1349 | 48 | 8.1 | 487  | 1 | LQBP34 | DNA ligase (ATP) ( |
| 1277 | 48.5 | 8.2 | 1163 | 1 | RWHUIC | cell surface glyco | 1350 | 48 | 8.1 | 487  | 2 | S06464 | DNA ligase (ATP) ( |
| 1278 | 48.5 | 8.2 | 1222 | 2 | S40977 | hypothetical prote | 1351 | 48 | 8.1 | 487  | 2 | C47080 | copper resistance  |
| 1279 | 48.5 | 8.2 | 1490 | 2 | S72351 | nonstructural poly | 1352 | 48 | 8.1 | 495  | 2 | S32179 | tniQ protein homol |
| 1280 | 48.5 | 8.2 | 1506 | 2 | T30886 | integumentary muc  | 1353 | 48 | 8.1 | 506  | 2 | S13720 | coat protein - ara |
| 1281 | 48.5 | 8.2 | 1508 | 2 | B87696 | glutamate synthase | 1354 | 48 | 8.1 | 513  | 2 | S28358 | prespore vesicle p |
| 1282 | 48.5 | 8.2 | 1895 | 2 | T15881 | hypothetical prote | 1355 | 48 | 8.1 | 523  | 1 | S61713 | carboxypeptidase C |
| 1283 | 48.5 | 8.2 | 1965 | 2 | T33216 | hypothetical prote | 1356 | 48 | 8.1 | 537  | 2 | A54424 | acrosomal protein  |
| 1284 | 48.5 | 8.2 | 2182 | 2 | T14320 | calcineurin inhibi | 1357 | 48 | 8.1 | 552  | 2 | E70731 | probable pitB prot |
| 1285 | 48.5 | 8.2 | 2643 | 2 | T29149 | hypothetical prote | 1358 | 48 | 8.1 | 561  | 2 | E70610 | hypothetical prote |
| 1286 | 48.5 | 8.2 | 3005 | 1 | GNVSTV | genome polypeptid  | 1359 | 48 | 8.1 | 575  | 2 | S58647 | vacuolar transport |
| 1287 | 48   | 8.1 | 61   | 2 | B23889 | metallothionein 2  | 1360 | 48 | 8.1 | 580  | 2 | D84772 | probable sugar tra |
| 1288 | 48   | 8.1 | 61   | 2 | S00811 | metallothionein I  | 1361 | 48 | 8.1 | 594  | 1 | A46758 | glutamate decarbox |
| 1289 | 48   | 8.1 | 66   | 2 | S59621 | metallothionein is | 1362 | 48 | 8.1 | 594  | 2 | JC4085 | glutamate decarbox |
| 1290 | 48   | 8.1 | 67   | 2 | B69830 | hypothetical prote | 1363 | 48 | 8.1 | 596  | 2 | T04506 | hypothetical prote |
| 1291 | 48   | 8.1 | 68   | 2 | S25775 | testis-specific pr | 1364 | 48 | 8.1 | 606  | 2 | D86443 | probable PPR-repea |
| 1292 | 48   | 8.1 | 74   | 2 | AF3436 | hypothetical prote | 1365 | 48 | 8.1 | 615  | 1 | KFHU12 | coagulation factor |
| 1293 | 48   | 8.1 | 107  | 1 | WNBE12 | latency-related pr | 1366 | 48 | 8.1 | 616  | 2 | T32111 | hypothetical prote |
| 1294 | 48   | 8.1 | 108  | 2 | T51146 | ring-box protein 1 | 1367 | 48 | 8.1 | 621  | 2 | T38467 | low density lipopr |
| 1295 | 48   | 8.1 | 117  | 2 | T07645 | PEARL1 1 protein h | 1368 | 48 | 8.1 | 634  | 2 | T02594 | hypothetical prote |
| 1296 | 48   | 8.1 | 131  | 1 | ZYSWN  | metalloproteinase  | 1369 | 48 | 8.1 | 648  | 2 | T21467 | hypothetical prote |
| 1297 | 48   | 8.1 | 133  | 2 | T20467 | hypothetical prote | 1370 | 48 | 8.1 | 651  | 2 | A39372 | potassium channel  |
| 1298 | 48   | 8.1 | 134  | 1 | WTBO   | seminal fluid prot | 1371 | 48 | 8.1 | 652  | 2 | T02001 | hypothetical prote |
| 1299 | 48   | 8.1 | 142  | 2 | JC4272 | pleiotrophic facto | 1372 | 48 | 8.1 | 661  | 2 | B56596 | hypothetical prote |
| 1300 | 48   | 8.1 | 147  | 2 | T30616 | hypothetical prote | 1373 | 48 | 8.1 | 662  | 2 | T23271 | hypothetical prote |
| 1301 | 48   | 8.1 | 147  | 2 | JC7263 | receptor activitiy | 1374 | 48 | 8.1 | 690  | 2 | G84638 | hypothetical prote |
| 1302 | 48   | 8.1 | 161  | 2 | S12246 | anther-specific pr | 1375 | 48 | 8.1 | 698  | 2 | T23469 | hypothetical prote |
| 1303 | 48   | 8.1 | 170  | 2 | A64347 | conserved hypotet  | 1376 | 48 | 8.1 | 706  | 2 | T49899 | zinc finger transc |
| 1304 | 48   | 8.1 | 191  | 2 | T46412 | keratin KAP5.4 - s | 1377 | 48 | 8.1 | 713  | 2 | A35502 | major surface-labe |
| 1305 | 48   | 8.1 | 192  | 2 | AF2851 | hypothetical prote | 1378 | 48 | 8.1 | 724  | 2 | B71404 | hypothetical prote |
| 1306 | 48   | 8.1 | 192  | 2 | T15218 | hypothetical prote | 1379 | 48 | 8.1 | 729  | 2 | AH2857 | anthranilate synth |
| 1307 | 48   | 8.1 | 201  | 2 | T31492 | hypothetical prote | 1380 | 48 | 8.1 | 739  | 2 | T21431 | hypothetical prote |
| 1308 | 48   | 8.1 | 204  | 2 | S63145 | probable membrane  | 1381 | 48 | 8.1 | 739  | 2 | T21431 | fibroblast growth  |
| 1309 | 48   | 8.1 | 207  | 2 | F59966 | probable aldehyde  | 1382 | 48 | 8.1 | 750  | 2 | S41051 | chloride channel p |
| 1310 | 48   | 8.1 | 219  | 2 | H85358 | hypothetical prote | 1383 | 48 | 8.1 | 764  | 2 | T87608 | HF-1 regulatory el |
| 1311 | 48   | 8.1 | 229  | 2 | D97628 | ubiquinol-cytochro | 1384 | 48 | 8.1 | 780  | 2 | A48143 | progesterone recep |
| 1312 | 48   | 8.1 | 237  | 2 | I47031 | insulin-like growt | 1385 | 48 | 8.1 | 786  | 2 | A35466 | phenylalanine-tRNA |
| 1313 | 48   | 8.1 | 250  | 2 | S20157 | osmotin precursor  | 1386 | 48 | 8.1 | 786  | 2 | A35466 | hypothetical prote |
| 1314 | 48   | 8.1 | 251  | 2 | B71298 | hypothetical prote | 1387 | 48 | 8.1 | 790  | 2 | D81668 | hypothetical prote |
| 1315 | 48   | 8.1 | 260  | 2 | T47391 | hypothetical prote | 1388 | 48 | 8.1 | 818  | 2 | T32154 | hypothetical prote |
| 1316 | 48   | 8.1 | 268  | 2 | B42424 | chitinase (EC 3.2. | 1389 | 48 | 8.1 | 822  | 2 | T25866 | hypothetical prote |
| 1317 | 48   | 8.1 | 271  | 2 | S12783 | OX40 antigen precu | 1390 | 48 | 8.1 | 824  | 2 | T23923 | hypothetical prote |
| 1318 | 48   | 8.1 | 301  | 2 | A81066 | transcription regu | 1391 | 48 | 8.1 | 834  | 2 | S13442 | hemocyanin type A  |
| 1319 | 48   | 8.1 | 302  | 2 | T39146 | hypothetical prote | 1392 | 48 | 8.1 | 840  | 2 | AG0526 | LDL receptor precu |
| 1320 | 48   | 8.1 | 303  | 2 | T46715 | hypothetical prote | 1393 | 48 | 8.1 | 860  | 1 | QRHULD | hypothetical prote |
| 1321 | 48   | 8.1 | 321  | 1 | LNHUR  | IGE Fc receptor II | 1394 | 48 | 8.1 | 892  | 2 | F87325 | DNA-directed RNA p |
| 1322 | 48   | 8.1 | 332  | 2 | T19150 | hypothetical prote | 1395 | 48 | 8.1 | 907  | 2 | B5182  | progesterone recep |
| 1323 | 48   | 8.1 | 335  | 2 | H75518 | probable cytochrom | 1396 | 48 | 8.1 | 923  | 2 | A39596 | progesterone recep |
| 1324 | 48   | 8.1 | 336  | 2 | B71366 | probable phosphate | 1397 | 48 | 8.1 | 923  | 2 | I53280 | progesterone recep |
| 1325 | 48   | 8.1 | 338  | 2 | T46981 | hypothetical prote | 1398 | 48 | 8.1 | 930  | 2 | A25923 | progesterone recep |
| 1326 | 48   | 8.1 | 338  | 2 | A00241 | probable dehydroge | 1399 | 48 | 8.1 | 933  | 1 | QRHUP  | sensor protein Rcs |
| 1327 | 48   | 8.1 | 338  | 2 | AB1816 | hypothetical prote | 1400 | 48 | 8.1 | 948  | 2 | AD0790 | potassium channel  |
| 1328 | 48   | 8.1 | 342  | 2 | T09355 | hypothetical prote | 1401 | 48 | 8.1 | 962  | 2 | I53197 | hypothetical prote |
| 1329 | 48   | 8.1 | 344  | 2 | I57698 | follietatin - rat  | 1402 | 48 | 8.1 | 965  | 2 | S62935 | potassium channel  |
| 1330 | 48   | 8.1 | 348  | 2 | T28467 | major envelope ant | 1403 | 48 | 8.1 | 989  | 2 | I48912 | receptor-type prot |
| 1331 | 48   | 8.1 | 348  | 2 | C72154 | E5L protein - vari | 1404 | 48 | 8.1 | 1013 | 2 | I50615 | hypothetical prote |
| 1332 | 48   | 8.1 | 348  | 2 | A34705 | collagen - Caenorh | 1405 | 48 | 8.1 | 1014 | 2 | T24412 | hypothetical prote |
| 1333 | 48   | 8.1 | 356  | 2 | C70398 | hypothetical prote | 1406 | 48 | 8.1 | 1068 | 2 | T04112 | pol protein homolo |
| 1334 | 48   | 8.1 | 363  | 2 | G82070 | 3-Isopropylmalate  | 1407 | 48 | 8.1 | 1076 | 2 | F96831 | hypothetical prote |
| 1335 | 48   | 8.1 | 365  | 2 | T33499 | hypothetical prote | 1408 | 48 | 8.1 | 1100 | 2 | G83376 | probable trehalose |
| 1336 | 48   | 8.1 | 367  | 2 | T39752 | hypothetical prote | 1409 | 48 | 8.1 | 1146 | 2 | A38587 | collagen, cornea-s |
| 1337 | 48   | 8.1 | 368  | 1 | S74797 | GTP-binding protei | 1410 | 48 | 8.1 | 1173 | 1 | VGIHHC | E2 glycoprotein pr |
| 1338 | 48   | 8.1 | 369  | 2 | S41971 | 3beta-hydroxy-Delt | 1411 | 48 | 8.1 | 1173 | 2 | S48877 | Ca2+-transporting  |
| 1339 | 48   | 8.1 | 373  | 2 | D71094 | probable cofactor  | 1412 | 48 | 8.1 | 1352 | 2 | G84473 | hypothetical prote |
| 1340 | 48   | 8.1 | 374  | 2 | A95960 | probable cytochrom | 1413 | 48 | 8.1 | 1423 | 1 | S27941 | serum albumin - se |
| 1341 | 48   | 8.1 | 390  | 2 | S52036 | probable alcohol d | 1414 | 48 | 8.1 | 1433 | 2 | A46053 | bullous pemphigoid |
| 1342 | 48   | 8.1 | 414  | 2 | A80239 | succinylornithine  | 1415 | 48 | 8.1 | 1532 | 2 | A61262 | collagen alpha 1(X |
| 1343 | 48   | 8.1 | 414  | 2 | T46998 | hypothetical prote | 1416 | 48 | 8.1 | 1571 | 2 | T00062 | hypothetical prote |

1417 48 8.1 1611 2 G84493  
 1418 48 8.1 1767 2 T00458  
 1419 48 8.1 1959 1 A33977  
 1420 48 8.1 1967 2 S64604  
 1421 48 8.1 2214 2 T16305  
 1422 48 8.1 2339 2 A45597  
 1423 48 8.1 2440 2 S39162  
 1424 48 8.1 2440 2 S39162  
 1425 48 8.1 2610 2 I50726  
 1426 48 8.1 2896 2 T20968  
 1427 48 8.1 3011 1 GNWVC3  
 1428 48 8.1 3391 2 JS0219  
 1429 48 8.1 3430 1 GNWVVV  
 1430 48 8.1 3712 1 YGCEVC  
 1431 47.5 8.1 48 2 S13963  
 1432 47.5 8.1 58 2 S59072  
 1433 47.5 8.1 65 1 NTSR3C  
 1434 47.5 8.1 72 2 A37417  
 1435 47.5 8.1 86 2 S37381  
 1436 47.5 8.1 88 2 JS5203  
 1437 47.5 8.1 88 2 JS0514  
 1438 47.5 8.1 88 2 S12125  
 1439 47.5 8.1 92 2 T30632  
 1440 47.5 8.1 97 2 S26890  
 1441 47.5 8.1 97 2 S71371  
 1442 47.5 8.1 98 2 I47086  
 1443 47.5 8.1 107 2 E82465  
 1444 47.5 8.1 108 2 PH1651  
 1445 47.5 8.1 113 2 D75583  
 1446 47.5 8.1 115 2 S45370  
 1447 47.5 8.1 118 2 T14464  
 1448 47.5 8.1 121 2 C97805  
 1449 47.5 8.1 130 2 T08584  
 1450 47.5 8.1 135 2 T15610  
 1451 47.5 8.1 140 2 S54240  
 1452 47.5 8.1 143 2 B84128  
 1453 47.5 8.1 152 2 A56939  
 1454 47.5 8.1 155 2 A45293  
 1455 47.5 8.1 159 2 I51077  
 1456 47.5 8.1 172 1 KRSHHA  
 1457 47.5 8.1 182 1 KRSHHD  
 1458 47.5 8.1 186 2 A45910  
 1459 47.5 8.1 189 2 T02423  
 1460 47.5 8.1 197 2 I46413  
 1461 47.5 8.1 201 2 T11900  
 1462 47.5 8.1 205 2 T10384  
 1463 47.5 8.1 209 2 T02394  
 1464 47.5 8.1 217 2 A33282  
 1465 47.5 8.1 225 2 G84180  
 1466 47.5 8.1 228 2 B65133  
 1467 47.5 8.1 230 2 A38346  
 1468 47.5 8.1 230 2 JC7972  
 1469 47.5 8.1 231 2 S06691  
 1470 47.5 8.1 231 2 D84774  
 1471 47.5 8.1 231 2 F85541  
 1472 47.5 8.1 236 2 T11287  
 1473 47.5 8.1 238 1 TRWVSV  
 1474 47.5 8.1 253 2 T00838  
 1475 47.5 8.1 264 2 T16271  
 1476 47.5 8.1 266 2 T46533  
 1477 47.5 8.1 281 2 C98638  
 1478 47.5 8.1 308 2 T05297  
 1479 47.5 8.1 312 2 T25048  
 1480 47.5 8.1 317 2 AD0461  
 1481 47.5 8.1 321 2 D81388  
 1482 47.5 8.1 323 1 SYEBAC  
 1483 47.5 8.1 323 2 AD0810  
 1484 47.5 8.1 324 2 T10802  
 1485 47.5 8.1 324 2 JC2395  
 1486 47.5 8.1 325 2 T02455  
 1487 47.5 8.1 327 2 D71491  
 1488 47.5 8.1 328 2 D81650  
 1489 47.5 8.1 329 2 T32783

1490 47.5 8.1 333 2 T20436  
 1491 47.5 8.1 337 2 AI2144  
 1492 47.5 8.1 338 2 JC4776  
 1493 47.5 8.1 340 2 AI2922  
 1494 47.5 8.1 342 2 T18993  
 1495 47.5 8.1 344 2 B97697  
 1496 47.5 8.1 347 2 T48323  
 1497 47.5 8.1 347 2 T34131  
 1498 47.5 8.1 354 2 T19856  
 1499 47.5 8.1 357 2 S23403  
 1500 47.5 8.1 365 2 JC4726

hypothetical prote  
 hypothetical prote  
 limbic-system-asso  
 hypothetical prote  
 hypothetical prote  
 sugar ABC transpor  
 hypothetical prote  
 hypothetical prote  
 sperm surface prot  
 manganese peroxida

## ALIGNMENTS

## RESULT 1

JC7188

REIC protein - human

C:Species: Homo sapiens (man)

C&gt;Date: 04-Mar-2000 #sequence\_revision 04-Mar-2000 #text\_change 11-May-2000

C:Accession: JC7188

R:Tsuji, T.; Miyazaki, M.; Sakaguchi, M.; Inoue, Y.; Namba, M.

Biochem. Biophys. Res. Commun. 268, 20-24, 2000

A&gt;Title: A REIC gene shows down-regulation in human immortalized cells and human tumor

A:Reference number: JC7188; MUID:20119095; PMID:10652205

A:Accession: JC7188

A:Molecule type: mRNA

A:Residues: 1-350 &lt;TSU&gt;

A:Cross-references: UNIPARC:UPI0000179471; DDBJ:AB034203

A:Experimental source: heart

C:Comment: This protein is a secreted glycoprotein for head induction in amphibian embri

C:Genetics:

A:Gene: reic

C:Superfamily: human REIC protein

C:Keywords: cardiac muscle; coiled coil; glycoprotein; heart; tumor

## Query Match

Best Local Similarity 17.1%; Score 100.5; DB 2; Length 350;

Matches 26; Conservative 3; Mismatches 29; Indels 11; Gaps 4;

QY 26 CERDVQCGAGTCCALSILWLRL--RMCTPLRGEGECH-PGSHKVPFFRRKH-----HT 77

DB 208 CDNRDQCPGLCCAFQ---RGLLPVCTPLVEGELCHDPASRLDLITWELEPDGALDR 264

QY 78 CPCLENLAC 86

DB 265 CPCASGLLC 273

## RESULT 2

T08179

LRG5 protein - Chlamydomonas reinhardtii

C:Species: Chlamydomonas reinhardtii

C&gt;Date: 11-Jun-1999 #sequence\_revision 11-Jun-1999 #text\_change 09-Jul-2004

C:Accession: T08179

R:Gloeckner, G.; Beck, C.F.

submitted to the EMBL Data Library, October 1996

A:Description: Molecular characterization of a gene (LRG5) involved in blue light sign

A:Reference number: Z16399

A:Accession: T08179

A&gt;Status: preliminary; translated from GB/EMBL/DBJ

A:Molecule type: mRNA

A:Residues: 1-640 &lt;GLO&gt;

A:Cross-references: UNIPROT:Q96397; UNIPARC:UPI000009E362; EMBL:U73817; NID:G1644369;

C:Genetics:

A:Gene: LRG5

## Query Match

Best Local Similarity 15.0%; Score 88.5; DB 2; Length 640;

Matches 24; Conservative 5; Mismatches 24; Indels 23; Gaps 4;

QY 32 CGAGTCCAISLWLRLRMCTPLRGEGECHPGSHKVPFFRRKHHTCPCPLNLCSRP-- 89

Db 488 CTAAGCC---WM---TCLPMWGGSGTWPWRPLMTP-----SRTACALPTPCSRWLR 533  
 QY 90 -----PDGRYRCSM 98  
 Db 534 RWRGWAAPGGRWRCSL 549

RESULT 3  
 T16840  
 hypothetical protein T10E10.4 - Caenorhabditis elegans  
 C:Species: Caenorhabditis elegans  
 C>Date: 20-Sep-1999 #sequence\_revision 20-Sep-1999 #text\_change 09-Jul-2004  
 C:Accession: T16840  
 R:Geisel, C.  
 submitted to the EMBL Data Library, October 1995  
 A:Description: The sequence of C. elegans cosmid T10E10.  
 A:Reference number: Z18588  
 A:Accession: T16840  
 A:Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: DNA  
 A:Residues: 1-1101 <GE1>  
 A:Cross-references: UNIPROT:Q22378; UNIPARC:UPI000017BB8F; EMBL:U39644; NID:gl0493339; P1  
 A:Experimental source: strain Bristol N2  
 C:Genetics:  
 A:Gene: CESP:T10E10.4  
 A:Introns: 93/2; 152/2; 191/3; 209/2; 283/3; 303/1; 399/3; 421/1; 440/1; 465/1; 547/3; 7

Query Match 14.1%; Score 83; DB 2; Length 1101;  
 Best Local Similarity 24.4%; Pred. No. 1.3;  
 Matches 32; Conservative 9; Mismatches 40; Indels 50; Gaps 6;

QY 13 LVTVSDCAVITGACERDVQAGTCCALSLWLRG----- 46  
 Db 749 LMSVORCAMGIG-CPPNGQCEGVCCPMPGCMSSGSIASVCGMANSCPIGYICEGRCCL 807

QY 47 --LRMCTPLGR-----EGECHPG-----SHKVPFFRKRKHHTCPCLPPLLCS 87  
 Db 808 EPLPLCPNGGRASWRCYRGAECPGYGCTPLGGCLLSMEVCPTRSNVACQSPNVVC- 866

QY 88 RFPDGRYRCSM 98  
 Db 867 --PSGA-SCIM 874

RESULT 4  
 T09059  
 notch4 - mouse  
 C:Species: Mus musculus (house mouse)  
 C>Date: 11-Jun-1999 #sequence\_revision 11-Jun-1999 #text\_change 09-Jul-2004  
 C:Accession: T09059  
 R:Rowen, L.; Mahairas, G.; Qin, S.; Ahearn, M.E.; Dankers, C.; Lasky, S.; Loretz, C.; S  
 submitted to the EMBL Data Library, October 1997  
 A:Description: Sequence of the mouse major histocompatibility locus class III region.  
 A:Reference number: Z16543  
 A:Accession: T09059  
 A:Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: DNA  
 A:Residues: 1-1964 <ROW>  
 A:Cross-references: UNIPROT:P31695; UNIPARC:UPI000016C7F1; EMBL:AF030001; NID:g2564945;  
 C:Genetics:  
 A:Gene: notch4  
 A:Map position: 17  
 A:Introns: 22/1; 49/2; 148/1; 264/1; 305/1; 384/1; 436/1; 501/1; 539/1; 577/1; 618/1; 67  
 1679/3; 1729/1; 1761/3  
 C:Superfamily: notch protein; ankyrin repeat homology; EGF homology  
 C:Keywords: receptor; signal transduction  
 F:514-545/Domain: EGF homology <EGF>

Query Match 13.8%; Score 81; DB 2; Length 1964;  
 Best Local Similarity 30.4%; Pred. No. 3.4;  
 Matches 24; Conservative 7; Mismatches 22; Indels 26; Gaps 5;

QY 26 CERDVQ-----CGAGTCCALSLWLRGRLMC-TPLRGREGECCHGSHKVPFFRKRKH 76  
 Db 188 CERDINECFLEPGPCPGTSGHNTL---GSYCLCPVGGGPGQC-----KLRKG 233

QY 77 TCP---CLPNLLGSRFPDG 92  
 Db 234 ACPGSGCLNGTCTQLVPEG 252

RESULT 5  
 XLHU  
 colipase precursor [validated] - human  
 N:Alternate names: procolipase  
 C:Species: Homo sapiens (man)  
 C>Date: 04-Dec-1986 #sequence\_revision 19-May-1995 #text\_change 09-Jul-2004  
 C:Accession: A42568; A33949; A03163  
 R:Sims, H.F.; Lowe, M.E.  
 Biochemistry 31, 7120-7125, 1992  
 A:Title: The human colipase gene: isolation, chromosomal location, and tissue-specific  
 A:Reference number: A42568; MUID:92353041; PMID:1643046  
 A:Accession: A42568  
 A:Molecule type: DNA  
 A:Residues: 1-112 <SIM>  
 A:Cross-references: UNIPROT:P04118; UNIPARC:UPI0000127E78; GB:M95529; NID:gl80842; P1D  
 A:Note: sequence extracted from NCBI backbone (NCBIN:110576, NCBIN:110578, NCBI:110580  
 R:Lowe, M.E.; Rosenbium, J.L.; McEwen, P.; Strauss, A.W.  
 Biochemistry 29, 823-828, 1990  
 A:Title: Cloning and characterization of the human colipase cDNA.  
 A:Reference number: A33949; MUID:90248429; PMID:2337598  
 A:Accession: A33949  
 A:Molecule type: mRNA  
 A:Residues: 1-112 <LOW>  
 A:Cross-references: UNIPARC:UPI0000127E78; GB:J02883; NID:gl80885; P1D:AAA52054.1; P1D  
 A:Note: evidence of partial N-glycosylation, possibly at Asn-43  
 R:Sternby, B.; Engstrom, A.; Hellman, U.; Vihert, A.M.; Sternby, N.H.; Borgstrom, B.  
 Biochim. Biophys. Acta 784, 75-80, 1984  
 A:Title: The primary sequence of human pancreatic colipase.  
 A:Reference number: A90652; MUID:84104937; PMID:6691986  
 A:Accession: A03163  
 A:Molecule type: protein  
 A:Residues: 23-108 <STE>  
 A:Cross-references: UNIPARC:UPI0000174141  
 C:Comment: Colipase, a cofactor of triacylglycerol lipase (EC 3.1.1.3), forms a 1:1 sto  
 se the enzyme is washed off by bile salts, which are known to have an inhibitory effect  
 C:Genetics:  
 A:Gene: GDB:CLPS  
 A:Cross-references: GDB:127277; OMIM:120105  
 A:Map position: 6pter-6p21.1  
 A:Introns: 28/3; 69/3  
 C:Superfamily: colipase  
 C:Keywords: lipid digestion; lipid hydrolysis; pancreas  
 F:1-17/Domain: signal sequence #status predicted <SIG>  
 F:18-22/Domain: amino-terminal propeptide #status predicted <APP>  
 F:23-108/Product: colipase #status experimental <MAT>  
 F:109-112/Domain: carboxyl-terminal propeptide #status predicted <CPP>  
 F:34-104, 40-56, 44-80, 45-78, 66-86/Disulfide bonds: #status predicted  
 F:69, 72, 75, 76/Binding site: micellar substrate (Lys, Tyr, Tyr, Tyr) #status predicted

Query Match 13.4%; Score 79; DB 1; Length 112;  
 Best Local Similarity 28.4%; Pred. No. 0.48;  
 Matches 31; Conservative 9; Mismatches 45; Indels 24; Gaps 6;

QY 9 IMLLVTVSDCAVITG-----ACERDVQAGTCCALSLWLRGRLMCTPLGRE 56  
 Db 5 LITLLVALSVAVAPGPGIINLENGELCMNSAQCKSNCCQHSALGLARCTSWASE 62

QY 57 GECHPGSHKVPFFRKRKHHTCPCLPPLLCSRFPDGRYRCMDLKNKIN 105  
 Db 63 NSEC---SVKTLV---GIYKPCERGLTC---EGDKTIVGSIITN 101

RESULT 6  
 A56175

adhesive plaque protein Mgf2 precursor - Mediterranean mussel  
C:Species: Mytilus galloprovincialis (Mediterranean mussel)  
C>Date: 27-Apr-1995 #sequence\_revision 03-Oct-1995 #text\_change 09-Jul-2004  
C:Accession: A56175  
R;Inoue, K.; Takeuchi, Y.; Miki, D.; Odo, S.  
J. Biol. Chem. 270, 6698-6701, 1995  
A;Title: Mussel adhesive plaque protein gene is a novel member of epidermal growth factor family  
A;Reference number: A56175; MUID:95204464; PMID:7896812  
A;Accession: A56175  
A;Molecule type: mRNA  
A;Residues: 1-473 <INO>  
A;Cross-references: UNIPROT:Q25464; UNIPARC:UPI000012AB7B; GB:D43794; NID:9602767; PIDN:  
C;Keywords: duplication  
F;1-17/Domain: signal sequence #status predicted <SIG>  
F;387-419/Domain: EGF homology <EGF>  
F;429-460/Domain: EGF homology <EGF>  
F;23,36,43,56,75,382,424,455,468,473/Modified site: 3',4'-dihydroxyphenylalanine (Tyr) #

Query Match 13.2%; Score 77.5; DB 2; Length 473;  
Best Local Similarity 31.2%; Pred. No. 2.3;  
Matches 24; Conservative 11; Mismatches 23; Indels 19; Gaps 7;  
QY 26 CERDVQCGAGTCCCAISLWLRGLRMTPLRGEGECH-PGSHKVPFFRKRKHHTC---PCL 81  
DB 117 CEKNV-CSPNFC-----KNGKCSPLGKTGYKTCGSGYTGP---RCEVHACKPNPCK 165

QY 82 PNLLCSRPDGR--YRC 96  
DB 166 NKGRC--FPDGKTGYKC 180

RESULT 7  
A55035  
cysteine-rich protein CRP1 - earthworm (Enchytraeus buchholzi)  
C:Species: Enchytraeus buchholzi  
C>Date: 14-Nov-1994 #sequence\_revision 03-Nov-1995 #text\_change 09-Jul-2004  
C:Accession: A55035; S45034  
R;Willuhn, J.; Schmitt-Wrede, H.P.; Greven, H.; Wunderlich, F.  
J. Willuhn, J.; Schmitt-Wrede, H.P.; Greven, H.; Wunderlich, F.  
J. Biol. Chem. 269, 24688-24691, 1994  
A;Title: cDNA cloning of a cadmium-inducible mRNA encoding a novel cysteine-rich, non-me  
A;Reference number: A55035; MUID:95014230; PMID:7929141  
A;Accession: A55035  
A;Status: preliminary  
A;Molecule type: mRNA  
A;Residues: 1-251 <WIL>  
A;Cross-references: UNIPROT:Q24774; UNIPARC:UPI000007D243; EMBL:X79344; NID:g488802; PID  
C;Superfamily: ultra-high-sulfur keratin

Query Match 13.1%; Score 77; DB 2; Length 251;  
Best Local Similarity 30.9%; Pred. No. 1.5;  
Matches 25; Conservative 7; Mismatches 45; Indels 4; Gaps 3;  
QY 17 SDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTPLRGEGECHPGSHKVPFFRKRKH 76  
DB 77 SQCKCEKGECKKG--CKEG--CCAPKCGVAGSCGSGCKEKGCKPGCTKRCCTGCGTGC 133

QY 77 TCPCPLNLLCSRPDPGRYRCS 97  
DB 134 DCPGSPCKCEK-GDCKVNCS 153

RESULT 8  
T13954  
MEGF6 protein - rat  
C:Species: Rattus norvegicus (Norway rat)  
C>Date: 20-Sep-1999 #sequence\_revision 20-Sep-1999 #text\_change 09-Jul-2004  
C:Accession: T13954  
R;Nakayama, M.; Nakajima, D.; Nagase, T.; Nomura, N.; Seki, N.; Ohara, O.  
Genomics 51, 27-34, 1998  
A;Title: Identification of high-molecular-weight proteins with multiple EGF-like motifs  
A;Reference number: 214126; MUID:98360089; PMID:9693030  
A;Accession: T13954  
A;Status: preliminary; translated from GB/EMBL/DBJ

A;Molecule type: mRNA  
A;Residues: 1-1574 <NAK>  
A;Cross-references: UNIPROT:O88281; UNIPARC:UPI0000043BEE; EMBL:AB011532; NID:g3449293  
A;Experimental source: strain Sprague-Dawley; brain  
C;Genetics:  
A;Gene: MEGF6

Query Match 12.8%; Score 75.5; DB 2; Length 1574;  
Best Local Similarity 28.6%; Pred. No. 10;  
Matches 24; Conservative 6; Mismatches 33; Indels 21; Gaps 4;  
QY 19 CAVITGAC-----ERDVQCGAGTCCCAISLWLRGLRMTPLRGEGECHPGSHKVPFFRKR 73  
DB 755 CHRVTGECLCPGKTGEDCGAD--CPEGRWGLGQEIICPACEHGASCNP----- 801

QY 74 KHHTCPCLPNLLCSRPDPGRYRCS 97  
DB 802 ETGTCCLCPGFVGSRCQD---TCS 822

RESULT 9  
JC4861  
fertilin beta chain - human  
C:Species: Homo sapiens (man)  
C>Date: 15-Aug-1996 #sequence\_revision 18-Oct-1996 #text\_change 09-Jul-2004  
C:Accession: JC4861  
R;Gupta, S.K.; Alves, K.; O'Neil Palladino, L.; Mark, G.E.; Hollis, G.F.  
Biochem. Biophys. Res. Commun. 224, 318-326, 1996  
A;Title: Molecular cloning of the human fertilin beta subunit.  
A;Reference number: JC4861; MUID:96295488; PMID:8702389  
A;Accession: JC4861  
A;Molecule type: mRNA  
A;Residues: 1-734 <GUP>  
A;Cross-references: UNIPROT:Q99965; UNIPARC:UPI0000161BD9; GB:U38805; NID:g4151118; PID  
C;Comment: This protein is an integral sperm membrane glycoprotein, and plays a role in  
C;Superfamily: mouse meltrin alpha; disintegrin homology  
C;Keywords: glycoprotein; integrin binding; transmembrane protein  
F;382-734/Product: fertilin beta chain #status predicted <NAV>  
F;382-467/Domain: disintegrin homology <DIS>  
F;448-450/Region: integrin binding #status predicted  
F;686-708/Domain: transmembrane #status predicted <TM>  
F;121,219,352,458,565/Binding site: carbohydate (Asn) (covalent) #status predicted

Query Match 12.7%; Score 75; DB 2; Length 734;  
Best Local Similarity 28.8%; Pred. No. 6;  
Matches 21; Conservative 7; Mismatches 29; Indels 16; Gaps 3;  
QY 15 TVSDCAVITGAC-----ERDVQCGAGTCCCAISLWLRGLRMTPLRGEGECHPGSHK 66  
DB 401 TEQDCALIGETCCDIATCRFKAGSNCAEGPCCNCLFMSKERMCRP---SPSEC-----D 452

QY 67 VPPFRKRKHHTCP 79  
DB 453 LPEYCNCGSSASCP 465

RESULT 10  
S45306  
notch 3 protein - mouse  
C:Species: Mus musculus (house mouse)  
C>Date: 20-Feb-1995 #sequence\_revision 20-Feb-1995 #text\_change 09-Jul-2004  
C:Accession: S45306  
R;Lardelli, M.; Dahlstrand, J.; Lendahl, U.  
Mech. Dev. 46, 123-136, 1994  
A;Title: The novel Notch homologue mouse Notch 3 lacks specific epidermal growth factor  
A;Reference number: S45306; MUID:95001556; PMID:7918097  
A;Accession: S45306  
A;Status: preliminary  
A;Molecule type: mRNA  
A;Residues: 1-2318 <LAR>  
A;Cross-references: UNIPROT:Q61982; UNIPARC:UPI000002930C; EMBL:X74760; NID:g483580; P  
C;Superfamily: notch protein; ankyrin repeat homology; EGF homology  
F;163-195/Domain: EGF homology <EGF1>



F;474-505/Domain: EGF homology <EGF>  
F;854-885/Domain: EGF homology <EGF2>  
F;1839-1871/Domain: ankyrin repeat homology <AN1>  
F;1872-1904/Domain: ankyrin repeat homology <AN2>  
F;1906-1938/Domain: ankyrin repeat homology <AN3>  
F;1939-1971/Domain: ankyrin repeat homology <AN4>  
F;1972-2004/Domain: ankyrin repeat homology <AN5>

Query Match 12.78; Score 75; DB 2; Length 2318;  
Best Local Similarity 28.18; Pred. No. 16; Indels 34; Gaps 5;  
Matches 25; Conservative 5; Mismatches 25;

QY 19 CAVITGACERDVQCGAGTCCTCAISLWLRGLRMCTPLGRGEGEC-----60  
DB 1287 CERVASC-RELQCPVGIPOQT--ARGPRCAPPGLSGPSRVSASPATWASCASA 1343  
QY 61 ---HPGS-----HKVPFPRKRKHHTCPCLP 82  
DB 1344 PCLHGSGCLPVSQSPVFFR-----CVCAP 1366

RESULT 11  
T31070  
notch homolog - sea urchin (Lytechinus variegatus)  
C;Species: Lytechinus variegatus (variegated urchin)  
C;Date: 22-Oct-1999 #sequence\_revision 22-Oct-1999 #text\_change 31-Jan-2000  
C;Accession: T31070  
R;Sherwood, D.R.; McClay, D.R.  
Development 124, 3363-3374, 1997  
A;Title: Identification and localization of a sea urchin Notch homologue: insights into  
A;Reference number: Z20966; MUID:97454256; PMID:9310331  
A;Accession: T31070  
A;Status: preliminary; translated from GB/EMBL/DBJ  
A;Molecule type: mRNA  
A;Residues: 1-2531 <SHE>  
A;Cross-references: UNIPARC:UPI000007B31C; EMBL:AF000634; NID:g2570350; PID:g2570351; P  
C;Superfamily: notch protein; ankyrin repeat homology; EGF homology

Query Match 12.78; Score 75; DB 2; Length 2531;  
Best Local Similarity 29.98; Pred. No. 17; Indels 14; Gaps 5;  
Matches 23; Conservative 8; Mismatches 32;

QY 22 ITGACERDVQCGAGTCCTCAISLWLRGLRMCTPLGRGEGECHPGSHKVPFPRKRKHHTCP 79  
DB 120 VDNVCKLEEPQNGGTCLRTLSLDYEC-FCITP-ANTGENCTDDNHCV-----SNP 168  
QY 80 CLPNLLCSRRPDPGRYRC 96  
DB 169 CLNGAVCTSSSDG-YSC 184

RESULT 12  
I51909  
colipase precursor - rat  
N;Alternate names: procolipase  
C;Species: Rattus norvegicus (Norway rat)  
C;Date: 26-Jul-1996 #sequence\_revision 26-Jul-1996 #text\_change 09-Jul-2004  
C;Accession: I51909; A34623  
R;Payne, R.M.; Sims, H.F.; Jennens, M.L.; Lowe, M.E.  
Am. J. Physiol. 286, G914-G921, 1994  
A;Title: Rat pancreatic lipase and two related proteins: enzymatic properties and mRNA  
A;Reference number: I51909; MUID:94262798; PMID:8203536  
A;Accession: I51909  
A;Status: preliminary; translated from GB/EMBL/DBJ  
A;Molecule type: mRNA  
A;Residues: 1-112 <PAY>  
A;Cross-references: UNIPROT:P17084; UNIPARC:UPI0000127E7C; GB:M58370; NID:g203504; PIDN:  
R;Wickner, C.; Puigserver, A.  
Biochem. Biophys. Res. Commun. 167, 130-136, 1990  
A;Title: Rat pancreatic colipase mRNA: nucleotide sequence of a cDNA clone and nutrition  
A;Reference number: A34623; MUID:90179738; PMID:2129524  
A;Accession: A34623  
A;Status: preliminary

A;Molecule type: mRNA  
A;Residues: 1-17, 'V', '19-112 <WIC>  
A;Cross-references: UNIPARC:UPI00001708E5; GB:M33333; NID:g203502; PIDN:AAA40943.1; PID  
C;Superfamily: colipase  
C;Keywords: lipid digestion; lipid hydrolysis; pancreas  
F;1-17/Domain: signal sequence #status predicted <SIG>  
F;18-112/Product: colipase #status predicted <MT>

Query Match 12.68; Score 74; DB 2; Length 112;  
Best Local Similarity 25.88; Pred. No. 1.5; Indels 20; Gaps 4;  
Matches 24; Conservative 10; Mismatches 39;

QY 6 RVSIMLLLVTVSDCAVITG-----ACERDVQCGAGTCCTCAISLWLRGLRMCTPL 53  
DB 2 KVLVLLVTLVAVAYAAPGPRGLFINLEDGICVNSMQC-KSRCCQHDITIL-GIARCTHK 59  
QY 54 GREGECHPGSHKVPFPRKRKHHTCPCLPNLLC 86  
DB 60 AMENSECSPKTYIGIYYR-----CPCERGLTC 86

RESULT 13  
T27283  
hypothetical protein Y64G10A.f - Caenorhabditis elegans  
C;Species: Caenorhabditis elegans  
C;Date: 15-Oct-1999 #sequence\_revision 15-Oct-1999 #text\_change 15-Oct-1999  
C;Accession: T27283  
R;Ainscough, R.  
submitted to the EMBL Data Library, September 1999  
A;Reference number: Z20336  
A;Accession: T27283  
A;Status: preliminary; translated from GB/EMBL/DBJ  
A;Molecule type: DNA  
A;Residues: 1-1620 <WIL>  
A;Cross-references: UNIPARC:UPI000017BCB4; EMBL:AL110498; NID:e1542303; PIDN:CAB54471.1  
A;Experimental source: clone Y64G10A  
C;Genetics:  
A;Gene: CESP:Y64G10A.f  
A;Introns: 77/1; 116/1; 198/1; 282/1; 365/1; 425/1; 466/1; 548/1; 559/1; 601/1; 625/1;  
Query Match 12.68; Score 74; DB 2; Length 1620;  
Best Local Similarity 27.58; Pred. No. 15; Indels 38; Gaps 4;  
Matches 22; Conservative 4; Mismatches 16;

QY 16 VSDCAVITGACERDVQCGAG-----TCCCAISLWLRGLRMCTPLGRGEGECHPGSHKVP 68  
DB 1114 VARCDHVTGEC-----RCPAGWTGPDQCITSC-----PLGRHGEGC----- 1148  
QY 69 FFRKRKHHTCPCLPNLLCSR 88  
DB 1149 -----RHSCQCSNGASCDR 1162

RESULT 14  
A35356  
tumor necrosis factor receptor 2 precursor [validated] - human  
N;Alternate names: 75K tumor necrosis factor receptor; TNF receptor type 2  
C;Species: Homo sapiens (man)  
C;Date: 10-Sep-1999 #sequence\_revision 10-Sep-1999 #text\_change 09-Jul-2004  
C;Accession: A35356; A36475; A48416; A36007; A23666; B35010; I38094  
R;Smith, C.A.; Davis, T.; Anderson, D.; Solam, L.; Beckmann, M.P.; Jerzy, R.; Dower, S.  
Science 248, 1019-1023, 1990  
A;Title: A receptor for tumor necrosis factor defines an unusual family of cellular and  
A;Reference number: A35356; MUID:90260639; PMID:2160731  
A;Accession: A35356  
A;Status: preliminary  
A;Molecule type: mRNA  
A;Residues: 1-461 <SMI>  
A;Cross-references: UNIPROT:P20333; UNIPARC:UPI000002FAE1; GB:M32315; NID:g189185; PIDN:  
R;Kohn, T.; Brewer, M.T.; Baker, S.L.; Schwartz, P.E.; King, M.W.; Hale, K.K.; Squire  
Proc. Natl. Acad. Sci. U.S.A. 87, 8331-8335, 1990  
A;Title: A second tumor necrosis factor receptor gene product can shed a naturally occur  
A;Reference number: A36475; MUID:91045991; PMID:2172983

A/Accession: A36475  
A/Status: preliminary  
A/Molecule type: mRNA  
A/Residues: 1-195, 'R', 197-461 <KOH>  
A/Cross-references: UNIPARC:UPI000003475F; GB:M55994; GB:M38549; NID:G339757; PIDN:AAA36  
R/Demic, Z.; Loetscher, H.; Gubler, U.; Pan, Y.C.; Lahm, H.W.; Gentz, R.; Brockhaus, M.  
Cytokine 2, 231-237, 1990  
A/Title: Two human TNF receptors have similar extracellular, but distinct intracellular,  
A/Reference number: A48416; MUID:91370690; PMID:1966549  
A/Accession: A48416  
A/Status: preliminary  
A/Molecule type: mRNA; protein  
A/Residues: 23-461 <DEM>  
A/Cross-references: UNIPARC:UPI00001736E6; GB:S63368; NID:G235648; PIDN:AA819824.1; PID:  
R/Note: sequence extracted from NCBI backbone (NCBIN:63368, NCBI:63371)  
R/Heller, R.A.; Song, K.; Onasch, M.A.; Fischer, W.H.; Chang, D.; Ringold, G.M.  
Proc. Natl. Acad. Sci. U.S.A. 87, 6151-6155, 1990  
A/Title: Complementary DNA cloning of a receptor for tumor necrosis factor and demonstra  
A/Reference number: A36007; MUID:90349572; PMID:2166946  
A/Accession: A36007  
A/Status: preliminary  
A/Molecule type: mRNA  
A/Residues: 116-140, 'P', 142-195, 'R', 197-362, 'T', 364-461 <HEL>  
A/Cross-references: UNIPARC:UPI00001684D8; GB:M35857; NID:G339751; PIDN:AA863262.1; PID:  
R/Loetscher, H.; Schlaeger, E.J.; Lahm, H.W.; Pan, Y.C.E.; Lesslauer, W.; Brockhaus, M.  
J. Biol. Chem. 265, 20131-20138, 1990  
A/Title: Purification and partial amino acid sequence analysis of two distinct tumor nec  
A/Reference number: A23666; MUID:91056048; PMID:2173696  
A/Accession: A23666  
A/Status: preliminary  
A/Molecule type: protein  
A/Residues: 23-40765-69; 136-141; 300-306 <LOE>  
A/Cross-references: UNIPARC:UPI000002039D; UNIPARC:UPI00001736E7; UNIPARC:UPI00001736E8;  
R/Engelmann, H.; Novick, D.; Wallach, D.  
J. Biol. Chem. 265, 1531-1536, 1990  
A/Title: Two tumor necrosis factor-binding proteins purified from human urine. Evidence  
A/Reference number: A35010; MUID:90110215; PMID:2153136  
A/Accession: B35010  
A/Status: preliminary  
A/Molecule type: protein  
A/Residues: 27-31 <ENG>  
A/Cross-references: UNIPARC:UPI00001736EA  
R/Kuhnert, P.; Kemper, O.; Wallach, D.  
Gene 150, 381-386, 1994  
A/Title: Cloning, sequencing and partial functional characterization of the 5' region of  
A/Reference number: I38094; MUID:95121934; PMID:7821811  
A/Accession: I38094  
A/Status: preliminary; translated from GB/EMBL/DBJ  
A/Molecule type: DNA  
A/Residues: 1-37 <RES>  
A/Cross-references: UNIPARC:UPI00000006D8; EMBL:X80021; NID:G666044; PIDN:CAA56324.1; PI  
C/Genetics:  
A/Gene: GDB:TNFR2  
A/Cross-references: GDB:125914; OMIM:191191  
A/Map position: 1p36.2-1p36.2  
A/Introns: 26/3  
A/Note: the list of introns is incomplete  
C/Superfamily: tumor necrosis factor receptor type 2 (TNFR2); NGF receptor repeat homolo  
C/Keywords: duplication; glycoprotein; receptor; transmembrane protein  
F:1-22/Domain: signal sequence #status predicted <SIG>  
F:23-416/Product: tumor necrosis factor receptor 2 #status experimental <MAT>  
F:40-76/Domain: NGF receptor repeat homology <NG1>  
F:78-119/Domain: NGF receptor repeat homology <NG2>  
F:120-162/Domain: NGF receptor repeat homology <NG3>  
F:164-201/Domain: NGF receptor repeat homology <NG4>  
F:262-279/Domain: transmembrane #status predicted <TMN>  
F:280-461/Domain: intracellular #status predicted <INT>  
F:171,193/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match

Best Local Similarity 12.4%; Score 73; DB 1; Length 461;

Matches 28; Conservative 8; Mismatches 29; Gaps 6;

QY 17 SDCA---VITGACERD-----VQCGAGTCAISLWRLGLMCTPL-----GREGER- 59  
DB 98 SRCSSDQVETQACTREQNRNICTCRFGWYCALSK-OEGCRLCAPLRKCRFGVGRPGTET 156  
QY 60 -----CHPGSHKVPFFPKRKHHTCPCLPNLLCS 87  
DB 157 SDVCKPCAPGT-----FSNTTSSDIDICRPHOICN 186  
RESULT 15  
SI4458  
Laminin alpha-1 chain precursor - human  
C/Species: Homo sapiens (man)  
C/Date: 30-Sep-1991 #sequence revision 30-Sep-1991 #text\_change 09-Jul-2004  
C/Accession: SI4458; NID:G34225; PIDN:CAA41418.1; P: 34961  
R/Haaparaanta, T.; Uitto, J.; Ruoslahti, E.; Engvall, E.  
Matrix 11, 151-160, 1991  
A/Title: Molecular cloning of the cDNA encoding human laminin A chain.  
A/Reference number: SI4458; MUID:91333420; PMID:1714537  
A/Accession: SI4458  
A/Status: not compared with conceptual translation  
A/Molecule type: mRNA  
A/Residues: 1-3075 <HAA>  
A/Cross-references: UNIPROT:P25391; UNIPARC:UPI000012E763  
R/Nielsen, M.; Vuolteenaho, R.; Boot-Handford, R.; Kallunki, P.; Tryggvason, K.  
Biochem. J. 276, 369-379, 1991  
A/Title: Primary structure of the human laminin A chain. Limited expression in human ti  
A/Reference number: SI4663; MUID:91264789; PMID:2049067  
A/Accession: SI4663  
A/Molecule type: mRNA  
A/Residues: 1-227, 'FE', 230-251, 'MLP', 255-418, 'E', 420-518, 'L', 520-1022, 'V', 1024-1074, 'V'  
A/Cross-references: UNIPARC:UPI000016ABE4; EMBL:X58531; NID:G34225; PIDN:CAA41418.1; P:  
R/Olsen, D.; Nagayoshi, T.; Fazio, M.; Peltonen, J.; Jaakkola, S.; Sanborn, D.; Sasaki,  
Lab. Invest. 60, 772-782, 1989  
A/Title: Human laminin: cloning and sequence analysis of cDNAs encoding A, B1 and B2 ch  
A/Reference number: A34961; MUID:89280632; PMID:2733383  
A/Accession: A34961  
A/Status: not compared with conceptual translation  
A/Molecule type: mRNA  
A/Residues: 'W', 2397-2745, 'L', 2747-3053, 'L', 3055-3072, 'PSP' <OLS>  
A/Cross-references: UNIPARC:UPI0000177439  
A/Note: the authors translated the codon AGA for residue 2692 as Pro  
C/Genetics:  
A/Gene: GDB:LAMAL1; LAMA  
A/Cross-references: GDB:120135; OMIM:150320  
A/Map position: 18p11.32-18p11.22  
C/Superfamily: laminin alpha-1 chain; laminin G repeat homology; laminin-type EGF-like  
C/Keywords: basement membrane; calcium binding; cell binding; coiled coil; disulfide bo  
F:1-17/Domain: signal sequence #status predicted <SIG>  
F:18-3075/Product: laminin alpha-1 chain #status predicted <MAT>  
F:18-269/Domain: VI <DMG>  
F:270-516/Domain: V <DMG>  
F:270-324/Domain: laminin-type EGF-like homology <LE1>  
F:327-394/Domain: laminin-type EGF-like homology <LE2>  
F:397-451/Domain: laminin-type EGF-like homology <LE3>  
F:454-500/Domain: laminin-type EGF-like homology <LE4>  
F:503-512/Domain: laminin-type EGF-like homology <LE5>  
F:517-708/Domain: IVD <D04B>  
F:709-1159/Domain: IIIB <D03B>  
F:709-739/Domain: laminin-type EGF-like homology #status atypical <LE6>  
F:742-788/Domain: laminin-type EGF-like homology <LE7>  
F:791-846/Domain: laminin-type EGF-like homology <LE8>  
F:849-899/Domain: laminin-type EGF-like homology <LE9>  
F:902-948/Domain: laminin-type EGF-like homology <LE10>  
F:951-995/Domain: laminin-type EGF-like homology <LE11>  
F:998-1041/Domain: laminin-type EGF-like homology <LE12>  
F:1044-1087/Domain: laminin-type EGF-like homology <LE13>  
F:1090-1109/Domain: laminin-type EGF-like homology #status atypical <LE14>  
F:1111-1147/Domain: laminin-type EGF-like homology #status atypical <LE15>  
F:1150-1159/Domain: laminin-type EGF-like homology #status atypical <LE16>  
F:1160-1361/Domain: laminin-type EGF-like homology #status atypical <LE17>  
F:1362-1553/Domain: IIIA <D03A>  
F:1362-1400/Domain: laminin-type EGF-like homology #status atypical <LE17>

Fri Nov 30 07:56:33 2007

F:1403-1449/Domain: laminin-type EGF-like homology <LE18>  
F:1452-1506/Domain: laminin-type EGF-like homology <LE19>  
F:1509-1553/Domain: laminin-type EGF-like homology <LE20>  
F:1554-2125/Domain: I/II, heptad repeats <DOM2>  
F:2116-2120/Region: cell adhesion #status predicted  
F:2126-3075/Domain: G <DOMG>  
F:2142-2300/Domain: laminin G repeat homology <LG1>  
F:2329-2484/Domain: laminin G repeat homology <LG2>  
F:2510-2676/Domain: laminin G repeat homology <LG3>  
F:2534-2536/Region: cell attachment (R-G-D) motif  
F:2739-2888/Domain: laminin G repeat homology <LG4>  
F:2916-3073/Domain: laminin G repeat homology <LG5>  
F:38,164,555,665,763,801,838,926,952,1045,1407,1579,1596,1678,1689,1717,1804,1894,1911  
race (Asn) (covalent) #status predicted  
F:297-305/Disulfide bonds: #status predicted

Query Match 12.4%; Score 73; DB 2; Length 3075;  
Best Local Similarity 23.0%; Pred. No. 32;  
Matches 23; Conservative 10; Mismatches 35; Indels 32; Gaps 4;  
QY 19 CAVITGACERDVCGAGTCCASILWLRGLRMCYPL-----GREGECH-----P 62  
DB 1056 CDVVTGHCQCKSKFGRACDQCISLGYRDFPDVPCDCLRGTSGDACNLEQGLCGCVEET 1115  
QY 63 GSHKVPFFRKXKHHKPCLENL---CSRFPDGRYRCMD 99  
DB 1116 GA-----CPCKENVFGPQCNECGTFALRAD 1142

Search completed: November 29, 2007, 17:19:40  
Job time : 44.3927 secs

GenCore version 6.2.1  
Copyright (c) 1993 - 2007 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: November 29, 2007, 17:18:33 ; Search time 13 Seconds

(without alignments)  
656.336 Million cell updates/sec

Title: US-10-692-299-2\_COPY\_20\_105

Perfect score: 498

Sequence: 1 AVITGACERDVQCGAGTCCA.....CSRFPDGYRCMDLKNINP 86

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database :

1: PIR.80.\*

2: PIR1.\*

3: PIR3.\*

4: PIR4.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

| Result No. | Score | Query Match | Length | DB ID     | Description         |
|------------|-------|-------------|--------|-----------|---------------------|
| 1          | 100.5 | 20.2        | 350    | 2 JC71188 | REIC protein - hum  |
| 2          | 88.5  | 17.8        | 640    | 2 T08179  | LRG5 protein - Chl  |
| 3          | 81    | 16.3        | 1964   | 2 T09059  | notch4 - mouse      |
| 4          | 77.5  | 15.6        | 473    | 2 A56175  | adhesive plaque pr  |
| 5          | 75    | 15.1        | 2531   | 2 T31070  | notch homolog - se  |
| 6          | 73    | 14.7        | 112    | 1 X1HU    | collipase precursor |
| 7          | 72.5  | 14.6        | 461    | 1 A35356  | tumor necrosis fac  |
| 8          | 71.5  | 14.4        | 1178   | 1 A39804  | thrombospondin pre  |
| 9          | 71.5  | 14.4        | 1574   | 2 T13954  | MEGF6 protein - ra  |
| 10         | 71.5  | 14.4        | 1854   | 2 T13576  | hypothetical prote  |
| 11         | 71    | 14.3        | 112    | 2 I51909  | collipase precursor |
| 12         | 71    | 14.3        | 286    | 2 S34665  | collagen, cuticula  |
| 13         | 71    | 14.3        | 593    | 1 GVHU    | granulin precursor  |
| 14         | 70.5  | 14.2        | 591    | 2 I48141  | acroganin - guine   |
| 15         | 70.5  | 14.2        | 1101   | 2 T16840  | hypothetical prote  |
| 16         | 70.5  | 14.2        | 2318   | 2 S45306  | notch 3 protein -   |
| 17         | 70    | 14.1        | 251    | 2 A55035  | cysteine-rich prot  |
| 18         | 69    | 13.9        | 601    | 2 B36346  | fibulin 1 precursor |
| 19         | 69    | 13.9        | 683    | 2 C36346  | fibulin 1 precursor |
| 20         | 68.5  | 13.8        | 850    | 2 T14450  | serine/threonine k  |
| 21         | 68.5  | 13.8        | 1172   | 2 A42587  | thrombospondin 2 p  |
| 22         | 68.5  | 13.8        | 1639   | 1 MNFFB2  | laminin gamma-1 ch  |
| 23         | 68    | 13.7        | 112    | 2 A46717  | collipase precursor |
| 24         | 68    | 13.7        | 427    | 1 G0HUN   | nerve growth facto  |
| 25         | 68    | 13.7        | 547    | 2 A33901  | mannosyl-oligosacc  |
| 26         | 68    | 13.7        | 586    | 1 WMBEDE  | 65K early nonstruc  |
| 27         | 68    | 13.7        | 1150   | 2 A41641  | mannosyl-oligosacc  |
| 28         | 68    | 13.7        | 2215   | 2 T00348  | LR11 protein - mou  |
| 29         | 68    | 13.7        | 5147   | 1 IUFFTM  | cadherin-related t  |

|     |      |      |      |          |                     |
|-----|------|------|------|----------|---------------------|
| 30  | 67.5 | 13.6 | 108  | 2 C88450 | protein F21H11.4 [  |
| 31  | 67   | 13.5 | 237  | 2 S45463 | probable membrane   |
| 32  | 67   | 13.5 | 993  | 2 I48653 | mouse developmenta  |
| 33  | 67   | 13.5 | 1620 | 2 T27283 | hypothetical prote  |
| 34  | 67   | 13.5 | 2321 | 2 S78549 | notch3 protein - h  |
| 35  | 66.5 | 13.4 | 589  | 2 C38128 | epithelin/granulin  |
| 36  | 66.5 | 13.4 | 589  | 2 B38128 | epithelin/granulin  |
| 37  | 66.5 | 13.4 | 1376 | 2 G00043 | osteonodogen - hum  |
| 38  | 66.5 | 13.4 | 4545 | 1 S25111 | alpha-2-macroglobu  |
| 39  | 66   | 13.3 | 1172 | 1 TSHUP2 | thrombospondin 2 p  |
| 40  | 66   | 13.3 | 1327 | 2 D70759 | probable oteB prot  |
| 41  | 66   | 13.3 | 3075 | 2 S14458 | laminin alpha-1 ch  |
| 42  | 66   | 13.3 | 3712 | 2 S18253 | laminin alpha-1 ch  |
| 43  | 65.5 | 13.2 | 722  | 2 I48324 | DELTA-like 1 - mou  |
| 44  | 65.5 | 13.2 | 802  | 2 T24293 | hypothetical prote  |
| 45  | 65.5 | 13.2 | 949  | 2 T24294 | hypothetical prote  |
| 46  | 65.5 | 13.2 | 1847 | 2 T18308 | probable vitellog   |
| 47  | 65   | 13.1 | 3133 | 2 S52093 | hemocytin - silkw   |
| 48  | 64.5 | 13.0 | 191  | 2 H1370  | hypothetical prote  |
| 49  | 64.5 | 13.0 | 1722 | 2 E89753 | protein FLIC7.4 [1  |
| 50  | 64.5 | 13.0 | 3635 | 2 T10053 | laminin alpha 5 ch  |
| 51  | 64   | 12.9 | 117  | 2 H72706 | hypothetical prote  |
| 52  | 64   | 12.9 | 217  | 2 A98196 | hypothetical prote  |
| 53  | 64   | 12.9 | 225  | 2 A86043 | probable transpos   |
| 54  | 64   | 12.9 | 425  | 1 A28431 | nerve growth facto  |
| 55  | 64   | 12.9 | 587  | 1 WMBETE | 65K early nonstruc  |
| 56  | 64   | 12.9 | 1143 | 2 T22952 | hypothetical prote  |
| 57  | 64   | 12.9 | 1984 | 2 T13171 | probable vitellog   |
| 58  | 63.5 | 12.8 | 728  | 2 I50719 | C-Delta-1 - chicke  |
| 59  | 63.5 | 12.8 | 3707 | 2 S18252 | heparan sulfate pr  |
| 60  | 63   | 12.7 | 95   | 1 XLPG2  | collipase II precu  |
| 61  | 63   | 12.7 | 143  | 2 B21761 | high cysteine chor  |
| 62  | 63   | 12.7 | 459  | 2 I48854 | gene murine tumou   |
| 63  | 63   | 12.7 | 2825 | 2 T14271 | Doc4 protein, stre  |
| 64  | 63   | 12.7 | 2871 | 2 A55567 | fibillin I - bovi   |
| 65  | 62.5 | 12.6 | 360  | 2 AH2272 | fructose-bisphosph  |
| 66  | 62.5 | 12.6 | 645  | 2 T22178 | hypothetical prote  |
| 67  | 62.5 | 12.6 | 895  | 1 IJXLP  | EP-cadherin precu   |
| 68  | 62.5 | 12.6 | 3020 | 2 A43932 | mucin 2 precursor   |
| 69  | 62   | 12.4 | 178  | 2 A23219 | high-cysteine chor  |
| 70  | 62   | 12.4 | 491  | 2 T21421 | hypothetical prote  |
| 71  | 62   | 12.4 | 998  | 2 S37627 | protein-tyrosine k  |
| 72  | 62   | 12.4 | 1113 | 2 JEO315 | low-density lipopr  |
| 73  | 62   | 12.4 | 1170 | 1 TSHUP1 | thrombospondin 1 p  |
| 74  | 62   | 12.4 | 1170 | 2 A40558 | thrombospondin 1 p  |
| 75  | 62   | 12.4 | 1221 | 2 A49457 | fibulin-2 precursor |
| 76  | 62   | 12.4 | 2437 | 2 S42612 | transmembrane prot  |
| 77  | 62   | 12.4 | 2555 | 2 A40043 | notch protein homo  |
| 78  | 61.5 | 12.3 | 83   | 2 T26545 | hypothetical prote  |
| 79  | 61.5 | 12.3 | 277  | 2 I37552 | OX40 homolog - hum  |
| 80  | 61.5 | 12.3 | 1111 | 2 T26972 | hypothetical prote  |
| 81  | 61.5 | 12.3 | 1687 | 2 T30176 | EGF repeat transme  |
| 82  | 61.5 | 12.3 | 2150 | 2 T32497 | hypothetical prote  |
| 83  | 61.5 | 12.3 | 2471 | 2 A49128 | cell-fate determin  |
| 84  | 61.5 | 12.3 | 2946 | 2 T15840 | hypothetical prote  |
| 85  | 61.5 | 12.3 | 5376 | 2 T42215 | zonadhesin - mouse  |
| 86  | 61   | 12.2 | 95   | 2 S53510 | pancreatic colipas  |
| 87  | 61   | 12.2 | 111  | 2 I48204 | collipase - nutria  |
| 88  | 61   | 12.2 | 593  | 1 S25062 | triacylglycerol 11  |
| 89  | 61   | 12.2 | 685  | 2 S78040 | fibulin, splice fo  |
| 90  | 61   | 12.2 | 705  | 2 S34968 | fibulin, splice fo  |
| 91  | 61   | 12.2 | 723  | 2 PN0509 | integrin beta-3 ch  |
| 92  | 61   | 12.2 | 1251 | 2 A57293 | latent transformin  |
| 93  | 61   | 12.2 | 1599 | 2 T16210 | hypothetical prote  |
| 94  | 61   | 12.2 | 2476 | 2 T34022 | zonadhesin - pig    |
| 95  | 60.5 | 12.1 | 96   | 2 C86649 | hypothetical prote  |
| 96  | 60.5 | 12.1 | 129  | 2 A72606 | hypothetical prote  |
| 97  | 60.5 | 12.1 | 905  | 2 T23229 | hypothetical prote  |
| 98  | 60.5 | 12.1 | 1104 | 2 I38869 | hypothetical prote  |
| 99  | 60.5 | 12.1 | 2703 | 1 A24420 | transcription fact  |
| 100 | 60   | 12.0 | 451  | 2 T30603 | perlecan homolog 2  |
| 101 | 60   | 12.0 | 734  | 2 JC4861 | fertilin beta cha   |
| 102 | 60   | 12.0 | 735  | 2 G02937 | fertilin beta - cr  |

|     |      |      |      |   |        |                    |     |      |      |      |   |        |                    |
|-----|------|------|------|---|--------|--------------------|-----|------|------|------|---|--------|--------------------|
| 103 | 60   | 12.0 | 1295 | 2 | A32901 | glp1 protein precu | 176 | 57   | 11.4 | 419  | 2 | A59414 | metalloproteinase  |
| 104 | 60   | 12.0 | 1522 | 2 | H8380  | protein T227.3 [i  | 177 | 57   | 11.4 | 468  | 2 | T48686 | hypothetical prote |
| 105 | 60   | 12.0 | 1547 | 2 | JQ0096 | hypothetical 176K  | 178 | 57   | 11.4 | 514  | 2 | T10559 | hypothetical prote |
| 106 | 60   | 12.0 | 1680 | 2 | A43434 | furin (EC 3.4.21.7 | 179 | 57   | 11.4 | 917  | 2 | JC7799 | PARIS-1 protein -  |
| 107 | 60   | 12.0 | 1955 | 1 | AGCH   | agrin precursor -  | 180 | 57   | 11.4 | 984  | 2 | T00326 | hypothetical prote |
| 108 | 60   | 12.0 | 2918 | 2 | A54105 | fibrillin-2 precu  | 181 | 57   | 11.4 | 1522 | 2 | T00028 | brain-specific ang |
| 109 | 60   | 12.0 | 4006 | 2 | T09070 | probable tenascin  | 182 | 57   | 11.4 | 1548 | 2 | S34583 | serine proteinase  |
| 110 | 59.5 | 11.9 | 128  | 2 | S32936 | spulation initia   | 183 | 57   | 11.4 | 2265 | 1 | FNBO   | hypothetical prote |
| 111 | 59.5 | 11.9 | 589  | 2 | T43210 | fibulin-1D precu   | 184 | 57   | 11.4 | 2386 | 1 | FNHU   | fibronectin - bovi |
| 112 | 59.5 | 11.9 | 689  | 2 | T42760 | fibulin 1, splice  | 185 | 57   | 11.4 | 2481 | 2 | A43908 | fibronectin - Afri |
| 113 | 59.5 | 11.9 | 712  | 2 | T42990 | probable hormone r | 186 | 56.5 | 11.3 | 99   | 2 | S60231 | giberellin-regula  |
| 114 | 59.5 | 11.9 | 886  | 2 | A57172 | lipoprotein recept | 187 | 56.5 | 11.3 | 130  | 1 | SRSH3A | colicin E1 immunit |
| 115 | 59.5 | 11.9 | 925  | 2 | T37475 | protein T22A3.8 [i | 188 | 56.5 | 11.3 | 130  | 1 | SRSH3A | keratin high-sultu |
| 116 | 59.5 | 11.9 | 2823 | 2 | E87908 | hypothetical prote | 189 | 56.5 | 11.3 | 258  | 2 | T32542 | hypothetical prote |
| 117 | 59.5 | 11.9 | 2823 | 2 | T23064 | hypothetical prote | 190 | 56.5 | 11.3 | 383  | 2 | D88633 | protein F56B3.2 [i |
| 118 | 59.5 | 11.9 | 3102 | 2 | T43291 | tenascin-X - bovin | 191 | 56.5 | 11.3 | 443  | 2 | T08905 | hypothetical prote |
| 119 | 59.5 | 11.9 | 4135 | 2 | T42629 | laminin alpha chai | 192 | 56.5 | 11.3 | 682  | 2 | T12968 | hypothetical prote |
| 120 | 59.5 | 11.9 | 4544 | 1 | S02392 | alpha-2-macroglobu | 193 | 56.5 | 11.3 | 905  | 2 | T02205 | Lu-ECM-1 protein   |
| 121 | 59   | 11.8 | 96   | 2 | S14018 | hypothetical prote | 194 | 56.5 | 11.3 | 1106 | 2 | T44598 | hypothetical prote |
| 122 | 59   | 11.8 | 186  | 2 | A28401 | agglutinin isolect | 195 | 56.5 | 11.3 | 1106 | 2 | T13938 | gene shuttle craft |
| 123 | 59   | 11.8 | 269  | 2 | T26957 | hypothetical prote | 196 | 56.5 | 11.3 | 1220 | 2 | A56136 | jagged protein pre |
| 124 | 59   | 11.8 | 283  | 2 | E88597 | protein Y47D3B.6 [ | 197 | 56.5 | 11.3 | 1458 | 2 | A45665 | adult-specific bru |
| 125 | 59   | 11.8 | 315  | 2 | B84654 | probable CCH-type  | 198 | 56.5 | 11.3 | 1490 | 2 | JC5145 | DNA (cytosine-5)-  |
| 126 | 59   | 11.8 | 419  | 2 | A1607  | atrolysin A (EC 3. | 199 | 56.5 | 11.3 | 1495 | 2 | S22610 | DNA (cytosine-5)-  |
| 127 | 59   | 11.8 | 474  | 2 | S38634 | tumor necrosis fac | 200 | 56.5 | 11.3 | 1537 | 2 | JC4172 | DNA (cytosine-5)-  |
| 128 | 59   | 11.8 | 616  | 2 | T29234 | hypothetical prote | 201 | 56.5 | 11.3 | 1572 | 2 | T00027 | brain-specific ang |
| 129 | 59   | 11.8 | 907  | 2 | T27317 | hypothetical prote | 202 | 56.5 | 11.3 | 1612 | 2 | JC5210 | DNA (cytosine-5)-  |
| 130 | 59   | 11.8 | 930  | 2 | T34334 | hypothetical prote | 203 | 56.5 | 11.3 | 1622 | 2 | JB0378 | DNA (cytosine-5)-  |
| 131 | 59   | 11.8 | 1119 | 2 | A88481 | protein C16A3.6 [i | 204 | 56.5 | 11.3 | 2767 | 1 | UHU    | thyroglobulin prec |
| 132 | 59   | 11.8 | 1203 | 2 | A49175 | motch B protein -  | 205 | 56.5 | 11.3 | 4753 | 1 | A47437 | LDL-receptor-relat |
| 133 | 59   | 11.8 | 2871 | 2 | A55624 | fibrillin-1 precu  | 206 | 56   | 11.2 | 254  | 2 | T48603 | insulin-like growt |
| 134 | 58.5 | 11.7 | 308  | 2 | JC7125 | epidermal growth f | 207 | 56   | 11.2 | 264  | 2 | T52104 | GATA-binding trans |
| 135 | 58.5 | 11.7 | 325  | 2 | B43692 | T2 protein - rabbi | 208 | 56   | 11.2 | 265  | 2 | H84867 | probable endochiti |
| 136 | 58.5 | 11.7 | 358  | 2 | T34128 | hypothetical prote | 209 | 56   | 11.2 | 320  | 2 | T14624 | hypothetical prote |
| 137 | 58.5 | 11.7 | 717  | 2 | S12100 | transferrin precu  | 210 | 56   | 11.2 | 377  | 2 | T52606 | squamosa promoter  |
| 138 | 58.5 | 11.7 | 782  | 2 | A51625 | tenascin-like prot | 211 | 56   | 11.2 | 478  | 2 | S47040 | gene T52 protein   |
| 139 | 58.5 | 11.7 | 884  | 2 | T18649 | hypothetical prote | 212 | 56   | 11.2 | 491  | 2 | S52920 | disintegrin (EC 3. |
| 140 | 58.5 | 11.7 | 895  | 2 | T49010 | hypothetical prote | 213 | 56   | 11.2 | 643  | 2 | T25473 | hypothetical prote |
| 141 | 58.5 | 11.7 | 962  | 1 | TVBE14 | 106.6K protein kin | 214 | 56   | 11.2 | 801  | 2 | T52605 | squamosa promoter  |
| 142 | 58.5 | 11.7 | 1712 | 2 | A38261 | masking protein pr | 215 | 56   | 11.2 | 849  | 1 | T05181 | S-receptor kinase  |
| 143 | 58.5 | 11.7 | 2195 | 2 | T34264 | hypothetical prote | 216 | 56   | 11.2 | 1136 | 1 | S57845 | protein-tyrosine k |
| 144 | 58.5 | 11.7 | 4391 | 2 | A38096 | perlecan precursor | 217 | 56   | 11.2 | 1170 | 2 | A53612 | laminin B1 chain   |
| 145 | 58   | 11.6 | 46   | 2 | A44794 | antimicrobial pept | 218 | 56   | 11.2 | 1661 | 2 | T03818 | RNA polymerase (EC |
| 146 | 58   | 11.6 | 170  | 2 | H83404 | probable ferredoxi | 219 | 56   | 11.2 | 1797 | 2 | A55677 | laminin beta-2 cha |
| 147 | 58   | 11.6 | 387  | 2 | B49175 | motch A protein -  | 220 | 56   | 11.2 | 106  | 2 | A25861 | hypothetical prote |
| 148 | 58   | 11.6 | 574  | 2 | B88465 | protein B0244.8 [i | 221 | 55.5 | 11.1 | 264  | 2 | A84868 | probable endochiti |
| 149 | 58   | 11.6 | 755  | 2 | A44315 | cartilage oligomer | 222 | 55.5 | 11.1 | 309  | 2 | T28708 | hypothetical prote |
| 150 | 58   | 11.6 | 798  | 2 | T22793 | hypothetical prote | 223 | 55.5 | 11.1 | 383  | 2 | S53716 | delta-like homeoti |
| 151 | 58   | 11.6 | 869  | 1 | JC4858 | VDL receptor prec  | 224 | 55.5 | 11.1 | 385  | 2 | S53718 | homeotic protein d |
| 152 | 58   | 11.6 | 891  | 2 | H86306 | F20D23.20 protein  | 225 | 55.5 | 11.1 | 385  | 2 | A54785 | preadipocyte facto |
| 153 | 58   | 11.6 | 898  | 2 | T14764 | hypothetical prote | 226 | 55.5 | 11.1 | 471  | 1 | KHR208 | oryzain (EC 3.4.22 |
| 154 | 58   | 11.6 | 1184 | 2 | A55184 | fibulin-2 precu    | 227 | 55.5 | 11.1 | 503  | 2 | T09026 | hypothetical prote |
| 155 | 58   | 11.6 | 1217 | 1 | EGMSMG | epidermal growth f | 228 | 55.5 | 11.1 | 569  | 2 | T50711 | urease (EC 3.5.1.5 |
| 156 | 58   | 11.6 | 1311 | 2 | T33757 | hypothetical prote | 229 | 55.5 | 11.1 | 674  | 2 | T15524 | hypothetical prote |
| 157 | 58   | 11.6 | 1428 | 2 | T08852 | lustrin A - Califo | 230 | 55.5 | 11.1 | 680  | 2 | T39858 | hypothetical prote |
| 158 | 58   | 11.6 | 1790 | 1 | NMFFB1 | laminin beta-1 cha | 231 | 55.5 | 11.1 | 1039 | 2 | T14802 | phytochrome B - so |
| 159 | 58   | 11.6 | 2531 | 2 | A46019 | notch-1 protein -  | 232 | 55.5 | 11.1 | 1296 | 2 | T16859 | hypothetical prote |
| 160 | 58   | 11.6 | 2907 | 2 | A57278 | fibillin-2 precu   | 233 | 55.5 | 11.1 | 3570 | 2 | T45025 | probable membrane  |
| 161 | 57.5 | 11.5 | 458  | 2 | AF0631 | probable 4-hydroxy | 234 | 55.5 | 11.1 | 171  | 2 | S68588 | chitinase (EC 3.2. |
| 162 | 57.5 | 11.5 | 680  | 2 | FN0510 | integrin beta-3 ch | 235 | 55   | 11.0 | 268  | 2 | S25311 | B cell-associated  |
| 163 | 57.5 | 11.5 | 710  | 2 | T46589 | ropy-2 protein (im | 236 | 55   | 11.0 | 305  | 2 | A46476 | folliculin - mous  |
| 164 | 57.5 | 11.5 | 810  | 2 | T10756 | Nel-homolog protei | 237 | 55   | 11.0 | 323  | 2 | A99211 | probable cytochrom |
| 165 | 57.5 | 11.5 | 1356 | 2 | JC1402 | protein-tyrosine k | 238 | 55   | 11.0 | 343  | 2 | S45321 | probable serine/th |
| 166 | 57.5 | 11.5 | 1469 | 2 | B36665 | slit protein 2 pre | 239 | 55   | 11.0 | 512  | 2 | T06713 | choline dehydrogen |
| 167 | 57.5 | 11.5 | 1480 | 2 | A36665 | slit protein 1 pre | 240 | 55   | 11.0 | 531  | 2 | B83422 | beta-galactosidase |
| 168 | 57.5 | 11.5 | 2139 | 2 | A35672 | crumbs protein - f | 241 | 55   | 11.0 | 599  | 2 | JC8009 | thrombospondin 4 P |
| 169 | 57.5 | 11.5 | 2352 | 2 | T30201 | Notch homolog prot | 242 | 55   | 11.0 | 853  | 2 | B85429 | apolipoprotein E r |
| 170 | 57.5 | 11.5 | 3002 | 2 | A47221 | fibillin 1 precu   | 243 | 55   | 11.0 | 961  | 1 | TSHUP4 | bone morphogenetic |
| 171 | 57   | 11.4 | 92   | 1 | S36658 | lactylglutathione  | 244 | 55   | 11.0 | 996  | 2 | JE0237 | bone morphogenetic |
| 172 | 57   | 11.4 | 175  | 2 | C82686 | agglutinin isolect | 245 | 55   | 11.0 | 1038 | 2 | J38935 | laminin gamma 2 ch |
| 173 | 57   | 11.4 | 212  | 2 | T05936 | CD27 antigen precu | 246 | 55   | 11.0 | 1038 | 2 | JC5527 |                    |
| 174 | 57   | 11.4 | 250  | 1 | A49053 | hypothetical prote | 247 | 55   | 11.0 | 1192 | 2 | S69000 |                    |
| 175 | 57   | 11.4 | 414  | 2 | T24563 |                    | 248 | 55   | 11.0 |      |   |        |                    |

|     |      |      |      |   |        |                    |     |      |      |      |   |        |                     |
|-----|------|------|------|---|--------|--------------------|-----|------|------|------|---|--------|---------------------|
| 249 | 55   | 11.0 | 1357 | 2 | T16860 | hypothetical prote | 322 | 53.5 | 10.7 | 109  | 2 | S67091 | probable membrane   |
| 250 | 55   | 11.0 | 1743 | 2 | T26859 | hypothetical prote | 323 | 53.5 | 10.7 | 202  | 1 | A44247 | C4b-binding protei  |
| 251 | 55   | 11.0 | 2052 | 2 | T18290 | FYF5 finger-contai | 324 | 53.5 | 10.7 | 232  | 2 | H69315 | cytochrome-c3 hydr  |
| 252 | 55   | 11.0 | 2477 | 2 | S14428 | fibronectin precu  | 325 | 53.5 | 10.7 | 266  | 2 | B72532 | hypothetical prote  |
| 253 | 55   | 11.0 | 2616 | 2 | A57096 | nudel protein prec | 326 | 53.5 | 10.7 | 273  | 2 | F69199 | conserved hypotet   |
| 254 | 55   | 11.0 | 3225 | 2 | I52300 | giantin - human    | 327 | 53.5 | 10.7 | 280  | 2 | T33519 | hypothetical prote  |
| 255 | 55   | 11.0 | 3259 | 1 | A56539 | giantin - human    | 328 | 53.5 | 10.7 | 314  | 2 | T32985 | hypothetical prote  |
| 256 | 55   | 11.0 | 4660 | 2 | T42737 | gp330 protein prec | 329 | 53.5 | 10.7 | 346  | 2 | JA0159 | cysteine proteinas  |
| 257 | 54.5 | 10.9 | 57   | 2 | C46654 | growth modulatory  | 330 | 53.5 | 10.7 | 370  | 2 | A80289 | conserved hypotet   |
| 258 | 54.5 | 10.9 | 92   | 2 | D37057 | epithelial cell gl | 331 | 53.5 | 10.7 | 390  | 2 | S46540 | methionine adenosy  |
| 259 | 54.5 | 10.9 | 220  | 2 | A95956 | hypothetical prote | 332 | 53.5 | 10.7 | 424  | 2 | S11676 | spore coat protein  |
| 260 | 54.5 | 10.9 | 221  | 2 | C34768 | ORF2 protein - Orf | 333 | 53.5 | 10.7 | 466  | 2 | T06416 | cysteine proteinas  |
| 261 | 54.5 | 10.9 | 226  | 2 | JC4868 | ribonuclease S2 (E | 334 | 53.5 | 10.7 | 509  | 2 | T02864 | probable Zn finger  |
| 262 | 54.5 | 10.9 | 248  | 2 | T19913 | hypothetical prote | 335 | 53.5 | 10.7 | 568  | 2 | F86291 | hypothetical prote  |
| 263 | 54.5 | 10.9 | 263  | 2 | T27641 | hypothetical prote | 336 | 53.5 | 10.7 | 575  | 2 | A49667 | interleukin-10 rec  |
| 264 | 54.5 | 10.9 | 279  | 2 | C70458 | diaminopimelate ep | 337 | 53.5 | 10.7 | 584  | 2 | I50419 | s-glycerin precuro  |
| 265 | 54.5 | 10.9 | 292  | 2 | C80872 | protein ZK1240.8 l | 338 | 53.5 | 10.7 | 753  | 2 | B36268 | platelet glycoprot  |
| 266 | 54.5 | 10.9 | 310  | 2 | A60967 | insulin-like growt | 339 | 53.5 | 10.7 | 753  | 2 | G02173 | semaphorin III fam  |
| 267 | 54.5 | 10.9 | 317  | 2 | I46916 | insulin-like growt | 340 | 53.5 | 10.7 | 768  | 2 | B41029 | integrin beta-8 ch  |
| 268 | 54.5 | 10.9 | 318  | 2 | B87929 | protein T22H2.6 li | 341 | 53.5 | 10.7 | 773  | 2 | JQ2187 | P87 protein - Card  |
| 269 | 54.5 | 10.9 | 358  | 2 | T25137 | hypothetical prote | 342 | 53.5 | 10.7 | 775  | 2 | A61228 | collagen alpha 2(I  |
| 270 | 54.5 | 10.9 | 386  | 2 | S52035 | probable alcohol d | 343 | 53.5 | 10.7 | 778  | 2 | A60798 | platelet glycoprot  |
| 271 | 54.5 | 10.9 | 419  | 2 | E71519 | probable ATPase -  | 344 | 53.5 | 10.7 | 788  | 2 | I77349 | platelet glycoprot  |
| 272 | 54.5 | 10.9 | 442  | 2 | JC4978 | oxidative stress p | 345 | 53.5 | 10.7 | 850  | 2 | S56015 | gastric mucin MUC5  |
| 273 | 54.5 | 10.9 | 530  | 2 | C95334 | Tm23a transposase  | 346 | 53.5 | 10.7 | 863  | 1 | S51789 | VLDL receptor prec  |
| 274 | 54.5 | 10.9 | 644  | 2 | A36325 | epidermal growth f | 347 | 53.5 | 10.7 | 952  | 2 | T18900 | disintegrin and me  |
| 275 | 54.5 | 10.9 | 711  | 2 | S43464 | ecdysteroid-induce | 348 | 53.5 | 10.7 | 957  | 2 | T15976 | hypothetical prote  |
| 276 | 54.5 | 10.9 | 761  | 2 | JC5759 | brain-specific ser | 349 | 53.5 | 10.7 | 1036 | 2 | T17405 | scavenger receptor  |
| 277 | 54.5 | 10.9 | 788  | 2 | I51530 | integrin beta-3 su | 350 | 53.5 | 10.7 | 1107 | 2 | T15884 | hypothetical prote  |
| 278 | 54.5 | 10.9 | 837  | 1 | A29512 | LDL receptor precu | 351 | 53.5 | 10.7 | 1124 | 1 | I58388 | protein-tyrosine k  |
| 279 | 54.5 | 10.9 | 938  | 2 | I49071 | protein kinase - m | 352 | 53.5 | 10.7 | 1193 | 2 | A4018  | laminin B2 chain    |
| 280 | 54.5 | 10.9 | 948  | 2 | S51605 | receptor-like tyro | 353 | 53.5 | 10.7 | 1201 | 2 | A57369 | anillin - fruit fl  |
| 281 | 54.5 | 10.9 | 955  | 2 | A45441 | thrombospondin 4 - | 354 | 53.5 | 10.7 | 1245 | 1 | MM5ND  | nidogen precursor   |
| 282 | 54.5 | 10.9 | 984  | 1 | A34076 | protein-tyrosine k | 355 | 53.5 | 10.7 | 1394 | 2 | A35626 | transforming growt  |
| 283 | 54.5 | 10.9 | 1143 | 2 | T10636 | hypothetical prote | 356 | 53.5 | 10.7 | 1678 | 2 | D86481 | 189.6K hypotetica   |
| 284 | 54.5 | 10.9 | 1237 | 2 | A34598 | ecyosone-induced p | 357 | 53.5 | 10.7 | 1959 | 1 | AGRT   | agrin - rat         |
| 285 | 54.5 | 10.9 | 1332 | 2 | T23024 | hypothetical prote | 358 | 53.5 | 10.7 | 2813 | 1 | VWU    | von Willebrand fac  |
| 286 | 54.5 | 10.9 | 1386 | 2 | T00257 | hypothetical prote | 359 | 53.5 | 10.7 | 3507 | 2 | T34513 | hypothetical prote  |
| 287 | 54.5 | 10.9 | 1443 | 2 | S05979 | steroid hormone re | 360 | 53   | 10.6 | 47   | 2 | B58319 | gamma-zeathionin 2  |
| 288 | 54.5 | 10.9 | 2647 | 2 | A37098 | gelatin factor AB  | 361 | 53   | 10.6 | 77   | 2 | S29563 | endothelin 2 precu  |
| 289 | 54.5 | 10.9 | 7962 | 2 | I38346 | elastic titin - hu | 362 | 53   | 10.6 | 141  | 2 | T08790 | hypothetical prote  |
| 290 | 54   | 10.8 | 63   | 2 | S08572 | chymotrypsin/elast | 363 | 53   | 10.6 | 177  | 2 | B71682 | probable ubiquinol  |
| 291 | 54   | 10.8 | 132  | 1 | T1HUSP | antileukoproteinas | 364 | 53   | 10.6 | 216  | 2 | JX0265 | platelet aggregati  |
| 292 | 54   | 10.8 | 148  | 2 | G82223 | pi1B-related prote | 365 | 53   | 10.6 | 309  | 2 | T22402 | hypothetical prote  |
| 293 | 54   | 10.8 | 212  | 2 | S09623 | agglutinin isolect | 366 | 53   | 10.6 | 343  | 2 | I49067 | zinc finger protei  |
| 294 | 54   | 10.8 | 213  | 1 | AEWT2  | agglutinin isolect | 367 | 53   | 10.6 | 396  | 1 | KXBOZ  | plasma protein Z -  |
| 295 | 54   | 10.8 | 236  | 2 | T05695 | pathogenesis-relat | 368 | 53   | 10.6 | 424  | 2 | T39524 | hypothetical prote  |
| 296 | 54   | 10.8 | 287  | 2 | A41257 | apoptosis protein  | 369 | 53   | 10.6 | 502  | 2 | T20130 | hypothetical prote  |
| 297 | 54   | 10.8 | 335  | 2 | S03212 | hypothetical prote | 370 | 53   | 10.6 | 551  | 2 | S51941 | prunin 1 precursor  |
| 298 | 54   | 10.8 | 341  | 2 | AE2445 | hypothetical prote | 371 | 53   | 10.6 | 578  | 2 | S50446 | VAC8 protein - yea  |
| 299 | 54   | 10.8 | 496  | 1 | ALPGP  | alpha-amylase (EC  | 372 | 53   | 10.6 | 605  | 2 | JC5673 | receptor tyrosine   |
| 300 | 54   | 10.8 | 571  | 2 | A17230 | alpha-amylase (EC  | 373 | 53   | 10.6 | 610  | 2 | I48612 | developmental kina  |
| 301 | 54   | 10.8 | 571  | 2 | S24789 | jaraahagin C precu | 374 | 53   | 10.6 | 613  | 2 | A88448 | protein C45G9.6 l   |
| 302 | 54   | 10.8 | 609  | 2 | S55270 | catrocollastatin p | 375 | 53   | 10.6 | 626  | 2 | I48614 | developmental kina  |
| 303 | 54   | 10.8 | 732  | 2 | JC4194 | lanosterol synthas | 376 | 53   | 10.6 | 636  | 2 | H64429 | DNA-directed RNA p  |
| 304 | 54   | 10.8 | 737  | 2 | S65758 | nitrate reductase  | 377 | 53   | 10.6 | 670  | 2 | T49510 | fibroin-3 related   |
| 305 | 54   | 10.8 | 748  | 2 | S66129 | disintegrin (EC 3. | 378 | 53   | 10.6 | 686  | 2 | S43562 | KO8E5.3 protein -   |
| 306 | 54   | 10.8 | 790  | 2 | A39627 | disintegrin (EC 3. | 379 | 53   | 10.6 | 711  | 1 | A47136 | macrophage-stimula  |
| 307 | 54   | 10.8 | 794  | 2 | F88508 | protein Hi412.6 l  | 380 | 53   | 10.6 | 738  | 2 | S40992 | hypothetical prote  |
| 308 | 54   | 10.8 | 823  | 2 | S18968 | cytorestin precurs | 381 | 53   | 10.6 | 739  | 2 | B88553 | protein KO4H4.2b l  |
| 309 | 54   | 10.8 | 977  | 2 | T00014 | DAP-1-alpha protei | 382 | 53   | 10.6 | 838  | 2 | T20125 | hypothetical prote  |
| 310 | 54   | 10.8 | 1052 | 2 | B49120 | protein-tyrosine k | 383 | 53   | 10.6 | 874  | 2 | B70914 | probable dnaB prot  |
| 311 | 54   | 10.8 | 1142 | 2 | T30272 | hypothetical prote | 384 | 53   | 10.6 | 964  | 2 | JC5545 | integrin beta-4 pr  |
| 312 | 54   | 10.8 | 1364 | 2 | T51920 | probable xanthine  | 385 | 53   | 10.6 | 998  | 2 | JC5672 | receptor tyrosine   |
| 313 | 54   | 10.8 | 1364 | 2 | T00250 | MEGF2 protein - hu | 386 | 53   | 10.6 | 1360 | 2 | T33922 | hypothetical prote  |
| 314 | 54   | 10.8 | 1429 | 2 | S06434 | homeotic protein 1 | 387 | 53   | 10.6 | 1875 | 2 | A36429 | integrin beta-4 ch  |
| 315 | 54   | 10.8 | 1584 | 2 | T22674 | hypothetical prote | 388 | 53   | 10.6 | 2017 | 1 | A36014 | myosin II heavy ch  |
| 316 | 54   | 10.8 | 2531 | 2 | S18188 | notch protein homo | 389 | 53   | 10.6 | 2057 | 2 | S61477 | myosin II heavy ch  |
| 317 | 54   | 10.8 | 2652 | 1 | VFIH2  | genome polypeptid  | 390 | 52.5 | 10.5 | 170  | 2 | A55824 | drosomyacin precurs |
| 318 | 54   | 10.8 | 3051 | 2 | S42373 | hypothetical prote | 391 | 52.5 | 10.5 | 154  | 2 | A86086 | hypothetical prote  |
| 319 | 54   | 10.8 | 3175 | 1 | RRWVEV | genome polypeptid  | 392 | 52.5 | 10.5 | 163  | 2 | E91238 | hypothetical prote  |
| 320 | 54   | 10.8 | 4351 | 2 | T00252 | MEGF1 protein - ra | 393 | 52.5 | 10.5 | 203  | 2 | T02696 | probable disease r  |
| 321 | 53.5 | 10.7 | 57   | 2 | A46654 | growth modulatory  | 394 | 52.5 | 10.5 | 250  | 2 | T01779 | trypsin (EC 3.4.21  |

|     |      |      |      |   |        |                      |     |      |      |      |   |        |                    |
|-----|------|------|------|---|--------|----------------------|-----|------|------|------|---|--------|--------------------|
| 395 | 52.5 | 10.5 | 250  | 2 | S31384 | trypsin (EC 3.4.21   | 468 | 51.5 | 10.3 | 252  | 2 | T46247 | hypothetical prote |
| 396 | 52.5 | 10.5 | 255  | 2 | T44991 | oxidoreductase [im   | 469 | 51.5 | 10.3 | 261  | 2 | A55242 | MHC class II histo |
| 397 | 52.5 | 10.5 | 261  | 2 | S17889 | class II histocomp   | 470 | 51.5 | 10.3 | 282  | 2 | A48516 | surfactant protein |
| 398 | 52.5 | 10.5 | 268  | 2 | AF0195 | 4-amino-4-deoxycho   | 471 | 51.5 | 10.3 | 284  | 2 | JC7686 | activator of CAMP- |
| 399 | 52.5 | 10.5 | 280  | 2 | D82017 | hypothetical prote   | 472 | 51.5 | 10.3 | 287  | 1 | S75925 | DNA-formamidopyrim |
| 400 | 52.5 | 10.5 | 287  | 2 | T09035 | hypothetical prote   | 473 | 51.5 | 10.3 | 289  | 2 | A84812 | probable aquaporin |
| 401 | 52.5 | 10.5 | 288  | 2 | D81002 | hypothetical prote   | 474 | 51.5 | 10.3 | 297  | 2 | H69609 | hypothetical prote |
| 402 | 52.5 | 10.5 | 328  | 1 | A41927 | conserved hypothet   | 475 | 51.5 | 10.3 | 317  | 2 | AF2129 | hypothetical prote |
| 403 | 52.5 | 10.5 | 349  | 2 | S47093 | insulin-like growt   | 476 | 51.5 | 10.3 | 323  | 2 | T27450 | hypothetical prote |
| 404 | 52.5 | 10.5 | 354  | 2 | T22274 | hypothetical prote   | 477 | 51.5 | 10.3 | 334  | 2 | AF0295 | conserved hypothet |
| 405 | 52.5 | 10.5 | 362  | 2 | G96735 | hypothetical prote   | 478 | 51.5 | 10.3 | 384  | 2 | T24860 | hypothetical prote |
| 406 | 52.5 | 10.5 | 370  | 2 | AE3479 | probable prolinae-r  | 479 | 51.5 | 10.3 | 409  | 2 | A86240 | protein F20B24.10  |
| 407 | 52.5 | 10.5 | 373  | 2 | T34126 | alcohol dehydrogen   | 480 | 51.5 | 10.3 | 410  | 2 | T47926 | hypothetical prote |
| 408 | 52.5 | 10.5 | 387  | 2 | I38449 | hypothetical prote   | 481 | 51.5 | 10.3 | 435  | 2 | S40993 | hypothetical prote |
| 409 | 52.5 | 10.5 | 397  | 2 | T26731 | extracellular prot   | 482 | 51.5 | 10.3 | 488  | 2 | T47697 | Regulator of chrom |
| 410 | 52.5 | 10.5 | 403  | 2 | S26326 | neuro-D4 protein -   | 483 | 51.5 | 10.3 | 497  | 2 | T27012 | hypothetical prote |
| 411 | 52.5 | 10.5 | 431  | 2 | T37621 | hypothetical prote   | 484 | 51.5 | 10.3 | 518  | 2 | T23120 | hypothetical prote |
| 412 | 52.5 | 10.5 | 459  | 2 | C85073 | hypothetical prote   | 485 | 51.5 | 10.3 | 523  | 2 | F71302 | asparagine-tRNA li |
| 413 | 52.5 | 10.5 | 747  | 2 | T39744 | probable transposo   | 486 | 51.5 | 10.3 | 562  | 2 | T49386 | hypothetical prote |
| 414 | 52.5 | 10.5 | 788  | 2 | A26547 | conserved hypothet   | 487 | 51.5 | 10.3 | 585  | 2 | S43572 | protein C05B5.5 (c |
| 415 | 52.5 | 10.5 | 788  | 2 | A37057 | platelet glycoprot   | 488 | 51.5 | 10.3 | 595  | 2 | E88571 | protein C05B5.5 (i |
| 416 | 52.5 | 10.5 | 941  | 1 | A55195 | integrin beta-6 ch   | 489 | 51.5 | 10.3 | 591  | 2 | T48596 | ankyrin-like prote |
| 417 | 52.5 | 10.5 | 1106 | 2 | T04015 | chordin precursor    | 490 | 51.5 | 10.3 | 592  | 2 | T21536 | hypothetical prote |
| 418 | 52.5 | 10.5 | 1373 | 2 | JE0095 | hypothetical prote   | 491 | 51.5 | 10.3 | 685  | 2 | C56591 | hypothetical prote |
| 419 | 52.5 | 10.5 | 1531 | 2 | T42218 | gastric mucin MUC5   | 492 | 51.5 | 10.3 | 765  | 2 | T15447 | hypothetical prote |
| 420 | 52.5 | 10.5 | 1607 | 2 | T43212 | slit-1 protein hom   | 493 | 51.5 | 10.3 | 865  | 2 | B69074 | probable formate d |
| 421 | 52.5 | 10.5 | 1650 | 2 | S53457 | insulin-like growt   | 494 | 51.5 | 10.3 | 899  | 2 | G02428 | subtilisin-like pr |
| 422 | 52.5 | 10.5 | 1712 | 1 | CGHU2B | dominant autoantig   | 495 | 51.5 | 10.3 | 915  | 2 | JC6148 | mineralocorticoid  |
| 423 | 52.5 | 10.5 | 1737 | 1 | T00209 | collagen alpha 2(I   | 496 | 51.5 | 10.3 | 981  | 2 | A41401 | mineralocorticoid  |
| 424 | 52.5 | 10.5 | 1801 | 1 | MMRTS  | MEGF8 protein - hu   | 497 | 51.5 | 10.3 | 984  | 2 | A29513 | mineralocorticoid  |
| 425 | 52.5 | 10.5 | 3566 | 1 | A40701 | laminin beta-2 cha   | 498 | 51.5 | 10.3 | 1165 | 2 | S27809 | GRPase-activating  |
| 426 | 52.5 | 10.4 | 77   | 2 | S47158 | tenascin-X precurs   | 499 | 51.5 | 10.3 | 1299 | 2 | T43251 | furin (EC 3.4.21.7 |
| 427 | 52.5 | 10.4 | 107  | 2 | T49527 | metallothionein II   | 500 | 51.5 | 10.3 | 1321 | 2 | JE0352 | mucin MUC5B, trach |
| 428 | 52.5 | 10.4 | 151  | 2 | T20071 | hypothetical prote   | 501 | 51.5 | 10.3 | 1321 | 2 | JE0352 | laminin beta-1 cha |
| 429 | 52.5 | 10.4 | 181  | 1 | MXRRD  | hypothetical prote   | 502 | 51.5 | 10.3 | 1786 | 1 | MMMSB1 | polycomb protein e |
| 430 | 52.5 | 10.4 | 189  | 2 | JC6084 | RNA-binding protei   | 503 | 51.5 | 10.3 | 2023 | 2 | T13154 | 85K MKR-20 recogni |
| 431 | 52.5 | 10.4 | 191  | 2 | T50306 | hypothetical prote   | 504 | 51.5 | 10.2 | 84   | 2 | JN0469 | Na+-channel-blocki |
| 432 | 52.5 | 10.4 | 213  | 1 | D70416 | phosphoglycolate p   | 505 | 51.5 | 10.2 | 87   | 2 | JN0670 | protein 108 precu  |
| 433 | 52.5 | 10.4 | 221  | 2 | G69420 | hydrogenase expres   | 506 | 51.5 | 10.2 | 102  | 2 | S26409 | hypothetical 12.7K |
| 434 | 52.5 | 10.4 | 227  | 1 | LNRRZ  | lectin precursor -   | 507 | 51.5 | 10.2 | 120  | 2 | QJ1740 | hypothetical prote |
| 435 | 52.5 | 10.4 | 281  | 2 | T39199 | C2H2-150 - human     | 508 | 51.5 | 10.2 | 142  | 2 | A71097 | probable cytochrom |
| 436 | 52.5 | 10.4 | 289  | 2 | AT1218 | ATP-binding protei   | 509 | 51.5 | 10.2 | 169  | 2 | T03033 | 5-formyltetrahydro |
| 437 | 52.5 | 10.4 | 302  | 2 | S65021 | chitinase (EC 3.2.   | 510 | 51.5 | 10.2 | 187  | 2 | H69956 | hypothetical prote |
| 438 | 52.5 | 10.4 | 375  | 1 | S62640 | alcohol dehydrogen   | 511 | 51.5 | 10.2 | 205  | 2 | T27278 | probable phosphogl |
| 439 | 52.5 | 10.4 | 393  | 2 | D86168 | hypothetical prote   | 512 | 51.5 | 10.2 | 226  | 2 | E71478 | hypothetical prote |
| 440 | 52.5 | 10.4 | 435  | 2 | I54182 | tumor necrosis fac   | 513 | 51.5 | 10.2 | 229  | 2 | T34325 | hypothetical prote |
| 441 | 52.5 | 10.4 | 456  | 1 | KXBO   | protein C (activat   | 514 | 51.5 | 10.2 | 233  | 2 | B69202 | endonuclease III - |
| 442 | 52.5 | 10.4 | 467  | 2 | D86485 | protein F28J9.13 (   | 515 | 51.5 | 10.2 | 240  | 2 | T47864 | GATA transcription |
| 443 | 52.5 | 10.4 | 513  | 2 | D88991 | protein apx-1 [imp   | 516 | 51.5 | 10.2 | 243  | 2 | T31144 | hypothetical prote |
| 444 | 52.5 | 10.4 | 541  | 2 | T48811 | hypothetical prote   | 517 | 51.5 | 10.2 | 260  | 2 | S11562 | probable MASH-1 pr |
| 445 | 52.5 | 10.4 | 601  | 2 | D99711 | protein F40E10.4 (   | 518 | 51.5 | 10.2 | 261  | 2 | S1678  | chitinase (EC 3.2. |
| 446 | 52.5 | 10.4 | 601  | 2 | T22025 | hypothetical prote   | 519 | 51.5 | 10.2 | 284  | 2 | A28008 | troponin T, cardia |
| 447 | 52.5 | 10.4 | 610  | 2 | T16761 | hypothetical prote   | 520 | 51.5 | 10.2 | 319  | 2 | D97081 | ketopantoate reduc |
| 448 | 52.5 | 10.4 | 635  | 2 | C81861 | hypothetical prote   | 521 | 51.5 | 10.2 | 353  | 2 | T27800 | hypothetical prote |
| 449 | 52.5 | 10.4 | 656  | 2 | S49745 | probable membrane    | 522 | 51.5 | 10.2 | 374  | 1 | A53142 | hypothetical prote |
| 450 | 52.5 | 10.4 | 716  | 1 | JC5061 | macrophage-stimula   | 523 | 51.5 | 10.2 | 375  | 1 | DSHOAL | coagulation factor |
| 451 | 52.5 | 10.4 | 737  | 2 | PQ0219 | RNA-2 polyprotein    | 524 | 51.5 | 10.2 | 429  | 2 | T35084 | hypothetical prote |
| 452 | 52.5 | 10.4 | 786  | 2 | T31793 | hypothetical prote   | 525 | 51.5 | 10.2 | 452  | 1 | A30351 | hypothetical prote |
| 453 | 52.5 | 10.4 | 893  | 2 | H95953 | probable bifunctio   | 526 | 51.5 | 10.2 | 525  | 2 | T35084 | hypothetical prote |
| 454 | 52.5 | 10.4 | 961  | 2 | A53980 | faciogenital dyspl   | 527 | 51.5 | 10.2 | 548  | 2 | T16642 | hypothetical prote |
| 455 | 52.5 | 10.4 | 1064 | 2 | A40136 | fibropellicin fa - s | 528 | 51.5 | 10.2 | 651  | 2 | JCMSS  | death receptor-6 - |
| 456 | 52.5 | 10.4 | 1106 | 2 | T18739 | hypothetical prote   | 529 | 51.5 | 10.2 | 714  | 2 | S77385 | plasma protein S p |
| 457 | 52.5 | 10.4 | 1300 | 2 | A36502 | insulin receptor-r   | 530 | 51.5 | 10.2 | 736  | 2 | S57961 | nitrate reductase  |
| 458 | 52.5 | 10.4 | 1358 | 1 | XOCHDH | xanthine dehydroge   | 531 | 51.5 | 10.2 | 780  | 2 | A34102 | dimethylamine dehy |
| 459 | 52.5 | 10.4 | 1513 | 2 | A54895 | mucin 2, intestina   | 532 | 51.5 | 10.2 | 873  | 1 | I48952 | von Willebrand fac |
| 460 | 52.5 | 10.4 | 1557 | 2 | T28811 | hypothetical prote   | 533 | 51.5 | 10.2 | 934  | 1 | A34372 | VLDL receptor prec |
| 461 | 51.5 | 10.3 | 77   | 2 | AF2564 | hypothetical prote   | 534 | 51.5 | 10.2 | 1345 | 2 | B71608 | complement C6 prec |
| 462 | 51.5 | 10.3 | 103  | 4 | S59331 | hypothetical prote   | 535 | 51.5 | 10.2 | 1379 | 2 | T37752 | DNA-directed RNA p |
| 463 | 51.5 | 10.3 | 131  | 1 | KRSHA3 | keratin high-sulfu   | 536 | 51.5 | 10.2 |      |   |        | hypothetical serin |
| 464 | 51.5 | 10.3 | 132  | 1 | KRG3J7 | keratin high-sulfu   | 537 | 51.5 | 10.2 |      |   |        |                    |
| 465 | 51.5 | 10.3 | 135  | 2 | AH2100 | hypothetical prote   | 538 | 51.5 | 10.2 |      |   |        |                    |
| 466 | 51.5 | 10.3 | 221  | 2 | S59832 | hypothetical prote   | 539 | 51.5 | 10.2 |      |   |        |                    |
| 467 | 51.5 | 10.3 | 251  | 2 | G96006 | probable SUR1-like   | 540 | 51.5 | 10.2 |      |   |        |                    |



|     |      |      |       |   |        |                     |     |      |      |      |   |        |                    |
|-----|------|------|-------|---|--------|---------------------|-----|------|------|------|---|--------|--------------------|
| 541 | 51   | 10.2 | 1408  | 2 | S16148 | gene serrate prote  | 614 | 50   | 10.0 | 249  | 2 | E59546 | conserved hypothet |
| 542 | 51   | 10.2 | 1700  | 2 | S08167 | Balbani ring 3 pr   | 615 | 50   | 10.0 | 256  | 2 | T06649 | hypothetical prote |
| 543 | 51   | 10.2 | 1798  | 2 | S33869 | laminin beta-2 cha  | 616 | 50   | 10.0 | 268  | 1 | G71271 | probable ABC trans |
| 544 | 51   | 10.2 | 1820  | 2 | A55494 | latent transformin  | 617 | 50   | 10.0 | 281  | 2 | AE0671 | N-hydroxyarylamine |
| 545 | 51   | 10.2 | 3106  | 1 | S53868 | laminin alpha-2 ch  | 618 | 50   | 10.0 | 281  | 2 | A38090 | N-hydroxyarylamine |
| 546 | 51   | 10.2 | 3191  | 2 | T22945 | hypothetical prote  | 619 | 50   | 10.0 | 282  | 1 | YPD0D1 | prestalk D11 prote |
| 547 | 51   | 10.2 | 4543  | 1 | A53102 | alpha-2-macroglobu  | 620 | 50   | 10.0 | 288  | 2 | S46536 | chitinase (EC 3.2. |
| 548 | 51   | 10.2 | 13288 | 2 | T03099 | mucin, submaxillar  | 621 | 50   | 10.0 | 294  | 2 | T3916  | hypothetical prote |
| 549 | 50.5 | 10.1 | 47    | 2 | S69145 | gamma-thionin SI-a  | 622 | 50   | 10.0 | 297  | 2 | T46590 | probable regulator |
| 550 | 50.5 | 10.1 | 118   | 2 | S38491 | ig heavy chain - h  | 623 | 50   | 10.0 | 298  | 2 | T33046 | hypothetical prote |
| 551 | 50.5 | 10.1 | 122   | 2 | T28977 | hypothetical prote  | 624 | 50   | 10.0 | 302  | 1 | TPCHTC | troponin T, cardia |
| 552 | 50.5 | 10.1 | 151   | 2 | T34245 | hypothetical prote  | 625 | 50   | 10.0 | 306  | 2 | S38251 | folliculin-relate  |
| 553 | 50.5 | 10.1 | 154   | 2 | E87530 | isocoumarin 1-oxi   | 626 | 50   | 10.0 | 306  | 2 | S51361 | folliculin-relate  |
| 554 | 50.5 | 10.1 | 201   | 2 | T07011 | proteinase inhibit  | 627 | 50   | 10.0 | 308  | 2 | S51362 | folliculin-relate  |
| 555 | 50.5 | 10.1 | 214   | 2 | T19930 | hypothetical prote  | 628 | 50   | 10.0 | 335  | 2 | T25138 | hypothetical prote |
| 556 | 50.5 | 10.1 | 230   | 2 | T34854 | hypothetical prote  | 629 | 50   | 10.0 | 352  | 2 | D96596 | hypothetical prote |
| 557 | 50.5 | 10.1 | 247   | 2 | D75027 | dihydrocorotate deh | 630 | 50   | 10.0 | 356  | 2 | A25918 | thrombomodulin - b |
| 558 | 50.5 | 10.1 | 260   | 1 | A46517 | CD27 antigen precu  | 631 | 50   | 10.0 | 359  | 2 | T02833 | threonine aldolase |
| 559 | 50.5 | 10.1 | 272   | 2 | H95314 | probable transposa  | 632 | 50   | 10.0 | 372  | 2 | AE3184 | alcohol dehydrogen |
| 560 | 50.5 | 10.1 | 283   | 2 | T23785 | hypothetical prote  | 633 | 50   | 10.0 | 384  | 2 | T19513 | hypothetical prote |
| 561 | 50.5 | 10.1 | 284   | 2 | T29715 | hypothetical prote  | 634 | 50   | 10.0 | 393  | 1 | A48357 | nonstructural prot |
| 562 | 50.5 | 10.1 | 308   | 2 | T37286 | collagen 40 - Caen  | 635 | 50   | 10.0 | 415  | 2 | T32467 | hypothetical prote |
| 563 | 50.5 | 10.1 | 323   | 1 | SYECAC | cysteine synthase   | 636 | 50   | 10.0 | 427  | 2 | E84966 | serine-tRNA ligase |
| 564 | 50.5 | 10.1 | 323   | 2 | F91039 | cysteine synthase   | 637 | 50   | 10.0 | 449  | 2 | B28002 | conserved hypothet |
| 565 | 50.5 | 10.1 | 323   | 2 | A85884 | cysteine synthase   | 638 | 50   | 10.0 | 450  | 2 | T14352 | WD-repeat protein  |
| 566 | 50.5 | 10.1 | 324   | 2 | T25154 | hypothetical prote  | 639 | 50   | 10.0 | 460  | 2 | B87455 | DNA repair protein |
| 567 | 50.5 | 10.1 | 348   | 1 | S32484 | L-iditol 2-dehydro  | 640 | 50   | 10.0 | 481  | 2 | JC4342 | fibrinolytic prote |
| 568 | 50.5 | 10.1 | 372   | 2 | A42778 | agglutinin precurs  | 641 | 50   | 10.0 | 481  | 2 | S43125 | trimucin precursor |
| 569 | 50.5 | 10.1 | 390   | 2 | S49491 | methionine adenosy  | 642 | 50   | 10.0 | 503  | 2 | A49431 | activin/TGF-beta-1 |
| 570 | 50.5 | 10.1 | 390   | 2 | G84785 | probable s-adenosy  | 643 | 50   | 10.0 | 558  | 2 | T17324 | hypothetical prote |
| 571 | 50.5 | 10.1 | 398   | 2 | A35281 | integumentary muc   | 644 | 50   | 10.0 | 573  | 2 | JC4335 | hypothetical prote |
| 572 | 50.5 | 10.1 | 428   | 2 | S45361 | LR47 protein - fr   | 645 | 50   | 10.0 | 581  | 2 | B54665 | anti-mullerian hor |
| 573 | 50.5 | 10.1 | 473   | 2 | H84550 | probable obtusifol  | 646 | 50   | 10.0 | 604  | 2 | D71377 | phenylalanine-tRNA |
| 574 | 50.5 | 10.1 | 484   | 2 | T25944 | hypothetical prote  | 647 | 50   | 10.0 | 642  | 2 | D69085 | transcription cont |
| 575 | 50.5 | 10.1 | 513   | 1 | RGBYC6 | cell division cont  | 648 | 50   | 10.0 | 666  | 2 | T43952 | hypothetical prote |
| 576 | 50.5 | 10.1 | 538   | 2 | B84863 | hypothetical prote  | 649 | 50   | 10.0 | 666  | 2 | F1310  | probable periplasm |
| 577 | 50.5 | 10.1 | 603   | 2 | JC5083 | prosteglandin-endo  | 650 | 50   | 10.0 | 669  | 2 | T06702 | hypothetical prote |
| 578 | 50.5 | 10.1 | 604   | 2 | T87936 | protein M01G12.12   | 651 | 50   | 10.0 | 684  | 2 | B35955 | phospholipase C -  |
| 579 | 50.5 | 10.1 | 604   | 2 | T23669 | hypothetical prote  | 652 | 50   | 10.0 | 686  | 2 | B5267  | prolyl endopeptida |
| 580 | 50.5 | 10.1 | 618   | 2 | D71055 | probable indolepyr  | 653 | 50   | 10.0 | 686  | 2 | T25987 | hypothetical prote |
| 581 | 50.5 | 10.1 | 657   | 2 | D71351 | probable primosoma  | 654 | 50   | 10.0 | 704  | 2 | T03478 | probable DNA-direc |
| 582 | 50.5 | 10.1 | 664   | 1 | JX0336 | succinate dehydrog  | 655 | 50   | 10.0 | 709  | 2 | T44142 | DRI protein (impor |
| 583 | 50.5 | 10.1 | 686   | 2 | JC7569 | Delta-4 protein -   | 656 | 50   | 10.0 | 759  | 2 | T44142 | hypothetical prote |
| 584 | 50.5 | 10.1 | 758   | 2 | S51748 | lethal(2)denticlel  | 657 | 50   | 10.0 | 775  | 2 | S28284 | hypothetical prote |
| 585 | 50.5 | 10.1 | 769   | 1 | IJHULM | leukocyte adhesion  | 658 | 50   | 10.0 | 780  | 2 | T27941 | hypothetical prote |
| 586 | 50.5 | 10.1 | 769   | 2 | A41029 | integrin beta-8 ch  | 659 | 50   | 10.0 | 782  | 2 | E88556 | protein B0464.5c [ |
| 587 | 50.5 | 10.1 | 814   | 2 | A95206 | glycosyl transfera  | 660 | 50   | 10.0 | 792  | 2 | T42963 | hypothetical prote |
| 588 | 50.5 | 10.1 | 856   | 2 | T52415 | polycarb protein E  | 661 | 50   | 10.0 | 887  | 2 | S57430 | probable formate d |
| 589 | 50.5 | 10.1 | 898   | 2 | T01503 | hypothetical prote  | 662 | 50   | 10.0 | 889  | 2 | T23299 | hypothetical prote |
| 590 | 50.5 | 10.1 | 955   | 2 | S56649 | pyruvate, phosphat  | 663 | 50   | 10.0 | 975  | 2 | JC5571 | subtilisin-like pr |
| 591 | 50.5 | 10.1 | 1019  | 1 | A56318 | enteropeptidase (E  | 664 | 50   | 10.0 | 1053 | 2 | S46199 | probable calcium t |
| 592 | 50.5 | 10.1 | 1087  | 2 | S28282 | hypothetical prote  | 665 | 50   | 10.0 | 1054 | 2 | A61221 | hypothetical prote |
| 593 | 50.5 | 10.1 | 1164  | 2 | T06144 | disease resistance  | 666 | 50   | 10.0 | 1069 | 2 | T42681 | hypothetical prote |
| 594 | 50.5 | 10.1 | 1237  | 2 | T46609 | calcium-activated   | 667 | 50   | 10.0 | 1093 | 2 | F88556 | protein B0464.5a [ |
| 595 | 50.5 | 10.1 | 1297  | 2 | T30274 | proteolisin - se    | 668 | 50   | 10.0 | 1108 | 2 | JC4037 | alpha-mannosidase  |
| 596 | 50.5 | 10.1 | 1384  | 2 | T02748 | hypothetical prote  | 669 | 50   | 10.0 | 1391 | 2 | S73652 | RNA polymerase bet |
| 597 | 50.5 | 10.1 | 1551  | 2 | A43364 | M polyprotein prec  | 670 | 50   | 10.0 | 1481 | 1 | O2D093 | pyrimidine synthe  |
| 598 | 50.5 | 10.1 | 1627  | 2 | S65464 | pregnancy-associat  | 671 | 50   | 10.0 | 2027 | 2 | S60123 | hypothetical prote |
| 599 | 50.5 | 10.1 | 1746  | 1 | S19694 | tenascin precursor  | 672 | 50   | 10.0 | 2056 | 2 | G88564 | hypothetical prote |
| 600 | 50.5 | 10.1 | 1761  | 2 | T13990 | collagen type IV a  | 673 | 50   | 10.0 | 2120 | 2 | T30243 | protein R10E1.1 [  |
| 601 | 50.5 | 10.1 | 2180  | 2 | T29764 | hypothetical prote  | 674 | 50   | 10.0 | 2910 | 2 | T42214 | alpha tectorin - c |
| 602 | 50.5 | 10.1 | 2225  | 2 | T26063 | hypothetical prote  | 675 | 50   | 10.0 | 3005 | 2 | T08841 | otogelin - mouse   |
| 603 | 50.5 | 10.1 | 2599  | 2 | A96616 | unknown protein F1  | 676 | 49.5 | 9.9  | 61   | 2 | C81079 | hypothetical prote |
| 604 | 50.5 | 10.1 | 3084  | 1 | MMWSA  | laminin alpha-1 ch  | 677 | 49.5 | 9.9  | 74   | 2 | S05594 | pseudocholin St1   |
| 605 | 50.5 | 10.1 | 4307  | 2 | T20721 | hypothetical prote  | 678 | 49.5 | 9.9  | 142  | 2 | H72600 | hypothetical prote |
| 606 | 50   | 10.0 | 87    | 2 | JN0669 | Na+-channel-blocki  | 679 | 49.5 | 9.9  | 156  | 2 | T43957 | hypothetical prote |
| 607 | 50   | 10.0 | 96    | 1 | XLHOB  | collipase B precurs | 680 | 49.5 | 9.9  | 163  | 2 | B83445 | probable oxidoredu |
| 608 | 50   | 10.0 | 98    | 2 | AG3416 | hypothetical prote  | 681 | 49.5 | 9.9  | 170  | 2 | T51042 | hypothetical prote |
| 609 | 50   | 10.0 | 103   | 2 | T25294 | hypothetical prote  | 682 | 49.5 | 9.9  | 176  | 2 | T48699 | hypothetical prote |
| 610 | 50   | 10.0 | 176   | 2 | T31796 | hypothetical prote  | 683 | 49.5 | 9.9  | 213  | 2 | E71212 | hypothetical prote |
| 611 | 50   | 10.0 | 193   | 2 | T16566 | hypothetical prote  | 684 | 49.5 | 9.9  | 256  | 2 | JC4627 | fibroblast growth  |
| 612 | 50   | 10.0 | 204   | 2 | T35410 | probable DNA-bind   | 685 | 49.5 | 9.9  | 274  | 2 | G84353 | hypothetical prote |
| 613 | 50   | 10.0 | 233   | 2 | T47136 | hypothetical prote  | 686 | 49.5 | 9.9  | 291  | 1 | JN0064 | insulin-like growt |

|     |      |     |      |   |        |                     |     |      |     |      |   |        |                    |
|-----|------|-----|------|---|--------|---------------------|-----|------|-----|------|---|--------|--------------------|
| 687 | 49.5 | 9.9 | 305  | 2 | I48601 | insulin-like growth | 760 | 49   | 9.8 | 415  | 2 | S60078 | Runt domain contai |
| 688 | 49.5 | 9.9 | 322  | 1 | S37344 | chitinase (EC 3.2.  | 761 | 49   | 9.8 | 468  | 2 | B40228 | neurexin I-beta pr |
| 689 | 49.5 | 9.9 | 349  | 2 | A85303 | probable transcrip  | 762 | 49   | 9.8 | 469  | 2 | G86638 | cationic amino aci |
| 690 | 49.5 | 9.9 | 349  | 2 | T04272 | hypothetical prote  | 763 | 49   | 9.8 | 474  | 2 | T27297 | hypothetical prote |
| 691 | 49.5 | 9.9 | 357  | 2 | C72022 | UDP-N-acetylglucos  | 764 | 49   | 9.8 | 490  | 2 | T06714 | probable cytochrom |
| 692 | 49.5 | 9.9 | 357  | 2 | F86603 | peptidoglycan tran  | 765 | 49   | 9.8 | 493  | 2 | JC5486 | membrane glycoprot |
| 693 | 49.5 | 9.9 | 357  | 2 | T32881 | hypothetical prote  | 766 | 49   | 9.8 | 500  | 2 | H46570 | hypothetical prote |
| 694 | 49.5 | 9.9 | 369  | 2 | S72734 | DNA-binding protei  | 767 | 49   | 9.8 | 524  | 2 | T44889 | probable aminopept |
| 695 | 49.5 | 9.9 | 375  | 1 | DEM5AA | alcohol dehydrogen  | 768 | 49   | 9.8 | 524  | 2 | T41663 | probable transcrip |
| 696 | 49.5 | 9.9 | 379  | 1 | F64633 | site-specific DNA-  | 769 | 49   | 9.8 | 527  | 2 | T04329 | importin alpha - t |
| 697 | 49.5 | 9.9 | 381  | 2 | A71882 | type II DNA modifi  | 770 | 49   | 9.8 | 558  | 2 | JC5629 | mullerian-inhibiti |
| 698 | 49.5 | 9.9 | 397  | 2 | T22932 | hypothetical prote  | 771 | 49   | 9.8 | 573  | 2 | H96744 | probable cytosolic |
| 699 | 49.5 | 9.9 | 416  | 2 | T32458 | hypothetical prote  | 772 | 49   | 9.8 | 592  | 2 | B83231 | probable short-cha |
| 700 | 49.5 | 9.9 | 416  | 2 | T25101 | hypothetical prote  | 773 | 49   | 9.8 | 593  | 2 | S45281 | coagulation factor |
| 701 | 49.5 | 9.9 | 483  | 2 | T06712 | probable cytochrom  | 774 | 49   | 9.8 | 603  | 2 | A38630 | prostaglandin-endo |
| 702 | 49.5 | 9.9 | 483  | 2 | T06711 | probable cytochrom  | 775 | 49   | 9.8 | 606  | 2 | A54665 | netrin-1 precursor |
| 703 | 49.5 | 9.9 | 554  | 2 | B85072 | hypothetical prote  | 776 | 49   | 9.8 | 640  | 1 | A30452 | uromodulin precurs |
| 704 | 49.5 | 9.9 | 608  | 2 | T02684 | uromodulin precurs  | 777 | 49   | 9.8 | 642  | 1 | S53433 | plasma protein S p |
| 705 | 49.5 | 9.9 | 642  | 1 | S52111 | p-selectin prote    | 778 | 49   | 9.8 | 663  | 1 | A38283 | arachidonate 12-li |
| 706 | 49.5 | 9.9 | 646  | 2 | JN0473 | hypothetical prote  | 779 | 49   | 9.8 | 685  | 2 | JC7570 | Delta-4 protein -  |
| 707 | 49.5 | 9.9 | 661  | 2 | T42754 | protein MEDA (imp   | 780 | 49   | 9.8 | 685  | 2 | T12170 | NADH2 dehydrogenas |
| 708 | 49.5 | 9.9 | 689  | 2 | T52060 | NADH2 dehydrogenas  | 781 | 49   | 9.8 | 699  | 2 | JC2222 | major surface glyc |
| 709 | 49.5 | 9.9 | 741  | 2 | T13042 | NADH2 dehydrogenas  | 782 | 49   | 9.8 | 715  | 2 | E84847 | probable CCH-type  |
| 710 | 49.5 | 9.9 | 741  | 2 | T13658 | NADH2 dehydrogenas  | 783 | 49   | 9.8 | 727  | 2 | E84847 | hypothetical prote |
| 711 | 49.5 | 9.9 | 744  | 2 | T13757 | probable protein k  | 784 | 49   | 9.8 | 736  | 2 | A99279 | VPI like protein ( |
| 712 | 49.5 | 9.9 | 756  | 2 | S60366 | probable beta-gala  | 785 | 49   | 9.8 | 739  | 2 | H85245 | hypothetical prote |
| 713 | 49.5 | 9.9 | 853  | 2 | T04600 | Notch homolog Motc  | 786 | 49   | 9.8 | 754  | 2 | AH3004 | hypothetical prote |
| 714 | 49.5 | 9.9 | 861  | 2 | A48825 | late expression fa  | 787 | 49   | 9.8 | 774  | 2 | RVVTC  | RNA-directed RNA p |
| 715 | 49.5 | 9.9 | 874  | 2 | T30398 | subtilisin-like pr  | 788 | 49   | 9.8 | 790  | 2 | H71509 | phenylalanine-tRNA |
| 716 | 49.5 | 9.9 | 915  | 1 | A48225 | endopeptidase CLP   | 789 | 49   | 9.8 | 816  | 2 | E98196 | hypothetical prote |
| 717 | 49.5 | 9.9 | 926  | 1 | A35905 | DNA-directed RNA p  | 790 | 49   | 9.8 | 816  | 2 | QRHYLD | VgR protein (limpo |
| 718 | 49.5 | 9.9 | 1188 | 2 | S65046 | DNA-directed RNA p  | 791 | 49   | 9.8 | 854  | 1 | QRHYLD | LDL receptor precu |
| 719 | 49.5 | 9.9 | 1191 | 2 | S65068 | hypothetical prote  | 792 | 49   | 9.8 | 862  | 1 | QRMSUD | LDL receptor precu |
| 720 | 49.5 | 9.9 | 1221 | 2 | T23472 | structural polypro  | 793 | 49   | 9.8 | 873  | 1 | A97729 | VLDL receptor prec |
| 721 | 49.5 | 9.9 | 1255 | 1 | B44213 | hypothetical prote  | 794 | 49   | 9.8 | 873  | 1 | QRMBVD | probable maltoolig |
| 722 | 49.5 | 9.9 | 1367 | 2 | A41228 | protein-tyrosine k  | 795 | 49   | 9.8 | 875  | 2 | F96027 | androgen receptor  |
| 723 | 49.5 | 9.9 | 1523 | 2 | T13953 | MGFS protein - ra   | 796 | 49   | 9.8 | 910  | 2 | A34721 | androgen receptor  |
| 724 | 49.5 | 9.9 | 1607 | 1 | MMWSE2 | laminin gamma-1 ch  | 797 | 49   | 9.8 | 911  | 2 | B34721 | G protein-coupled  |
| 725 | 49.5 | 9.9 | 1614 | 2 | T29861 | hypothetical prote  | 798 | 49   | 9.8 | 925  | 2 | JC2033 | hypothetical prote |
| 726 | 49.5 | 9.9 | 1614 | 2 | A33526 | collagen alpha 2(I  | 799 | 49   | 9.8 | 929  | 2 | T44577 | hypothetical prote |
| 727 | 49.5 | 9.9 | 1745 | 2 | A46431 | tight junction-ass  | 800 | 49   | 9.8 | 951  | 2 | T45726 | hypothetical prote |
| 728 | 49.5 | 9.9 | 1748 | 1 | JN0786 | integrin beta-4 ch  | 801 | 49   | 9.8 | 973  | 2 | T01862 | protein-tyrosine k |
| 729 | 49.5 | 9.9 | 1807 | 2 | JC6319 | integrin beta-4 ch  | 802 | 49   | 9.8 | 976  | 2 | A36355 | receptor protein-t |
| 730 | 49.5 | 9.9 | 2025 | 2 | TRVUNE | hypothetical prote  | 803 | 49   | 9.8 | 998  | 2 | I58351 | tyrosine kinase re |
| 731 | 49.5 | 9.9 | 2156 | 1 | R03884 | genome polyprotein  | 804 | 49   | 9.8 | 1019 | 2 | T13039 | hypothetical prote |
| 732 | 49.5 | 9.9 | 2406 | 2 | A54148 | odz protein - frui  | 805 | 49   | 9.8 | 1081 | 2 | T15692 | G protein-coupled  |
| 733 | 49.5 | 9.9 | 2415 | 1 | A39086 | aggreacan precursor | 806 | 49   | 9.8 | 1115 | 2 | S40241 | epidermal growth f |
| 734 | 49.5 | 9.9 | 2515 | 2 | S47008 | tenascin-like prot  | 807 | 49   | 9.8 | 1133 | 1 | EGRT   | period clock prote |
| 735 | 49.5 | 9.9 | 3229 | 2 | S27852 | probable cell-surf  | 808 | 49   | 9.8 | 1176 | 2 | C26427 | VP88 protein - yea |
| 736 | 49.5 | 9.9 | 3512 | 2 | T17121 | CPY protein - midg  | 809 | 49   | 9.8 | 1176 | 2 | T09229 | galactose binding  |
| 737 | 49.5 | 9.9 | 3562 | 2 | A47171 | chondroitin sulfat  | 810 | 49   | 9.8 | 1292 | 2 | T09229 | hypothetical prote |
| 738 | 49   | 9.8 | 62   | 2 | I51538 | metallothionein -   | 811 | 49   | 9.8 | 1343 | 2 | T20718 | E2 glycoprotein pr |
| 739 | 49   | 9.8 | 65   | 2 | S03858 | carboxypeptidase A  | 812 | 49   | 9.8 | 1353 | 1 | JQ2168 | surface glycoprote |
| 740 | 49   | 9.8 | 67   | 2 | PC4008 | hypothetical prote  | 813 | 49   | 9.8 | 1361 | 2 | S29998 | surface glycoprote |
| 741 | 49   | 9.8 | 72   | 2 | A42325 | orf 5' to pheC - P  | 814 | 49   | 9.8 | 1362 | 2 | A37474 | E2 glycoprotein pr |
| 742 | 49   | 9.8 | 93   | 2 | S72363 | pancreatic ribonuc  | 815 | 49   | 9.8 | 1363 | 1 | VGIHOU | E2 glycoprotein pr |
| 743 | 49   | 9.8 | 93   | 2 | JR0159 | gibberellin-stimul  | 816 | 49   | 9.8 | 1363 | 1 | VGIHVA | E2 glycoprotein pr |
| 744 | 49   | 9.8 | 96   | 2 | S43910 | gibberellin-regula  | 817 | 49   | 9.8 | 1363 | 1 | VGIHFL | E2 glycoprotein pr |
| 745 | 49   | 9.8 | 117  | 2 | A24178 | When acidic protei  | 818 | 49   | 9.8 | 1363 | 1 | VGIHNM | E2 glycoprotein pr |
| 746 | 49   | 9.8 | 127  | 1 | NRBOK2 | pancreatic-type ri  | 819 | 49   | 9.8 | 1363 | 1 | VGIHNM | E2 glycoprotein pr |
| 747 | 49   | 9.8 | 145  | 1 | PKSF2U | phospholipase A2 (  | 820 | 49   | 9.8 | 1363 | 2 | S44241 | surface protein -  |
| 748 | 49   | 9.8 | 193  | 2 | PQ0503 | surface protein -   | 821 | 49   | 9.8 | 1526 | 2 | T19473 | hypothetical prote |
| 749 | 49   | 9.8 | 193  | 2 | F63366 | conserved hypothet  | 822 | 49   | 9.8 | 1645 | 2 | T31339 | WD-40 repeat prote |
| 750 | 49   | 9.8 | 239  | 2 | F63366 | keratin-like prote  | 823 | 49   | 9.8 | 1711 | 2 | AD1842 | hypothetical prote |
| 751 | 49   | 9.8 | 257  | 2 | I38025 | hypothetical prote  | 824 | 49   | 9.8 | 1770 | 2 | S56221 | laminin beta-1 cha |
| 752 | 49   | 9.8 | 278  | 2 | H96611 | hypothetical prote  | 825 | 49   | 9.8 | 1786 | 1 | MMHUB1 | tenascin precursor |
| 753 | 49   | 9.8 | 300  | 2 | T49748 | hypothetical prote  | 826 | 49   | 9.8 | 2019 | 1 | JQ1322 | Xotch protein - Af |
| 754 | 49   | 9.8 | 302  | 2 | T26513 | hypothetical prote  | 827 | 49   | 9.8 | 2524 | 2 | A35844 | NSD1 protein - mou |
| 755 | 49   | 9.8 | 329  | 2 | T07000 | chitinase (EC 3.2.  | 828 | 49   | 9.8 | 2588 | 2 | T14342 | polycystic kidney  |
| 756 | 49   | 9.8 | 329  | 2 | T06599 | chitinase (EC 3.2.  | 829 | 49   | 9.8 | 4302 | 2 | A38971 | protein PMP-D1 - m |
| 757 | 49   | 9.8 | 375  | 2 | S05390 | fibromodulin precu  | 830 | 49   | 9.8 | 54   | 1 | S23075 | proteinase inhibit |
| 758 | 49   | 9.8 | 386  | 2 | JC7508 | 45K WW domain-cont  | 831 | 48.5 | 9.7 | 79   | 2 | T06381 |                    |
| 759 | 49   | 9.8 | 388  | 2 | JQ0189 | oligogalacturonide  | 832 | 48.5 | 9.7 | 79   | 2 | T06381 |                    |

|     |      |     |      |   |         |                    |     |    |     |     |   |        |                     |
|-----|------|-----|------|---|---------|--------------------|-----|----|-----|-----|---|--------|---------------------|
| 833 | 48.5 | 9.7 | 99   | 2 | S60230  | gibberellin-regula | 906 | 48 | 9.6 | 67  | 2 | B69830 | hypothetical prote  |
| 834 | 48.5 | 9.7 | 112  | 2 | S54832  | gip1 protein - gar | 907 | 48 | 9.6 | 74  | 2 | AF3436 | hypothetical prote  |
| 835 | 48.5 | 9.7 | 118  | 1 | FSKrt2  | phospholipase A2 ( | 908 | 48 | 9.6 | 107 | 1 | WBEL2  | latency-related pr  |
| 836 | 48.5 | 9.7 | 120  | 2 | PH1650  | ig heavy chain v r | 909 | 48 | 9.6 | 134 | 1 | WTBO   | seminal fluid prot  |
| 837 | 48.5 | 9.7 | 135  | 2 | G83671  | hypothetical prote | 910 | 48 | 9.6 | 147 | 2 | T30616 | hypothetical prote  |
| 838 | 48.5 | 9.7 | 150  | 2 | T46301  | hypothetical prote | 911 | 48 | 9.6 | 170 | 2 | A64347 | conserved hypotet   |
| 839 | 48.5 | 9.7 | 165  | 2 | I39626  | nicotine dehydrog  | 912 | 48 | 9.6 | 192 | 2 | AF2851 | hypothetical prote  |
| 840 | 48.5 | 9.7 | 177  | 1 | CYDPA   | alpha-crystallin c | 913 | 48 | 9.6 | 197 | 2 | S56662 | proteinase inhibit  |
| 841 | 48.5 | 9.7 | 190  | 2 | S21130  | vascular endotheli | 914 | 48 | 9.6 | 201 | 2 | T31492 | hypothetical prote  |
| 842 | 48.5 | 9.7 | 202  | 2 | T24524  | hypothetical prote | 915 | 48 | 9.6 | 204 | 2 | S63145 | probable membrane   |
| 843 | 48.5 | 9.7 | 203  | 2 | S54800  | nitrile hydratase  | 916 | 48 | 9.6 | 229 | 2 | D97628 | ubiquinol-cytochro  |
| 844 | 48.5 | 9.7 | 203  | 2 | S19714  | nitrile hydratase  | 917 | 48 | 9.6 | 237 | 2 | I47031 | insulin-like growt  |
| 845 | 48.5 | 9.7 | 207  | 2 | B83523  | hypothetical prote | 918 | 48 | 9.6 | 237 | 2 | S08073 | cyclic nucleotide   |
| 846 | 48.5 | 9.7 | 232  | 2 | A41551  | vascular endotheli | 919 | 48 | 9.6 | 240 | 2 | A39842 | insulin-like growt  |
| 847 | 48.5 | 9.7 | 250  | 2 | T30124  | hypothetical prote | 920 | 48 | 9.6 | 245 | 2 | T49889 | zinc finger transcr |
| 848 | 48.5 | 9.7 | 267  | 2 | F87665  | hypothetical prote | 921 | 48 | 9.6 | 250 | 2 | S30157 | osmotin precursor   |
| 849 | 48.5 | 9.7 | 274  | 2 | T18768  | hypothetical prote | 922 | 48 | 9.6 | 251 | 2 | B71298 | hypothetical prote  |
| 850 | 48.5 | 9.7 | 297  | 2 | T45705  | hypothetical prote | 923 | 48 | 9.6 | 260 | 2 | T47391 | hypothetical prote  |
| 851 | 48.5 | 9.7 | 298  | 2 | T27644  | hypothetical prote | 924 | 48 | 9.6 | 268 | 2 | B42424 | chitinase (EC 3.2.  |
| 852 | 48.5 | 9.7 | 304  | 2 | A33274  | insulin-like growt | 925 | 48 | 9.6 | 272 | 1 | G69587 | L-arabinose operon  |
| 853 | 48.5 | 9.7 | 305  | 2 | UN0508  | hypothetical prote | 926 | 48 | 9.6 | 302 | 2 | T39146 | hypothetical prote  |
| 854 | 48.5 | 9.7 | 306  | 2 | E97471  | insulin-like growt | 927 | 48 | 9.6 | 303 | 2 | T46715 | hypothetical prote  |
| 855 | 48.5 | 9.7 | 307  | 2 | F71294  | hypothetical prote | 928 | 48 | 9.6 | 326 | 2 | S14266 | uracil-DNA glycosy  |
| 856 | 48.5 | 9.7 | 317  | 2 | A36066  | trans-activator of | 929 | 48 | 9.6 | 332 | 2 | T19150 | hypothetical prote  |
| 857 | 48.5 | 9.7 | 317  | 2 | D86070  | regulator for metE | 930 | 48 | 9.6 | 334 | 2 | H69076 | hypothetical prote  |
| 858 | 48.5 | 9.7 | 317  | 2 | F31223  | regulator for metE | 931 | 48 | 9.6 | 334 | 2 | D70918 | hypothetical prote  |
| 859 | 48.5 | 9.7 | 346  | 2 | T34129  | hypothetical prote | 932 | 48 | 9.6 | 335 | 2 | H75518 | probable cytochrom  |
| 860 | 48.5 | 9.7 | 350  | 2 | T37511  | probable phosphopr | 933 | 48 | 9.6 | 344 | 2 | I57698 | hypothetical prote  |
| 861 | 48.5 | 9.7 | 354  | 1 | S04243  | proteoglycan link  | 934 | 48 | 9.6 | 348 | 2 | A34705 | follicstatin - rat  |
| 862 | 48.5 | 9.7 | 355  | 1 | LXCH    | proteoglycan link  | 935 | 48 | 9.6 | 356 | 2 | C70398 | collagen - Caenorh  |
| 863 | 48.5 | 9.7 | 357  | 2 | S09267  | ig alpha chain C r | 936 | 48 | 9.6 | 363 | 2 | G82070 | hypothetical prote  |
| 864 | 48.5 | 9.7 | 369  | 2 | T48612  | hypothetical prote | 937 | 48 | 9.6 | 369 | 2 | S41971 | 3-beta-hydroxy-Delt |
| 865 | 48.5 | 9.7 | 396  | 1 | W2BE8   | dutp diphosphatase | 938 | 48 | 9.6 | 374 | 2 | A95960 | probable cytochrom  |
| 866 | 48.5 | 9.7 | 400  | 2 | T46383  | hypothetical prote | 939 | 48 | 9.6 | 375 | 1 | A60004 | matrix protein - m  |
| 867 | 48.5 | 9.7 | 433  | 2 | B82965  | hypothetical prote | 940 | 48 | 9.6 | 375 | 1 | MFNZMS | probable cytochrom  |
| 868 | 48.5 | 9.7 | 448  | 2 | S41725  | hypothetical prote | 941 | 48 | 9.6 | 390 | 2 | S52036 | matrix protein - m  |
| 869 | 48.5 | 9.7 | 455  | 2 | S33033  | integrase - Saccha | 942 | 48 | 9.6 | 404 | 2 | C86396 | probable alcohol d  |
| 870 | 48.5 | 9.7 | 462  | 2 | T40420  | probable acid phos | 943 | 48 | 9.6 | 414 | 2 | H95843 | hypothetical prote  |
| 871 | 48.5 | 9.7 | 470  | 2 | A12188  | hypothetical prote | 944 | 48 | 9.6 | 431 | 2 | S56228 | hypothetical prote  |
| 872 | 48.5 | 9.7 | 476  | 2 | S57963  | methyl CpG binding | 945 | 48 | 9.6 | 442 | 2 | S50062 | alpha-factor recep  |
| 873 | 48.5 | 9.7 | 489  | 2 | T067115 | probable cytochrom | 946 | 48 | 9.6 | 455 | 1 | GQHUT1 | cell wall glycopro  |
| 874 | 48.5 | 9.7 | 521  | 2 | I51693  | XpOlycomb - Africa | 947 | 48 | 9.6 | 457 | 2 | S20662 | tumor necrosis fac  |
| 875 | 48.5 | 9.7 | 559  | 1 | C9HU    | complement C9 prec | 948 | 48 | 9.6 | 487 | 2 | C47080 | glycine receptor a  |
| 876 | 48.5 | 9.7 | 605  | 2 | H69581  | transcription acti | 949 | 48 | 9.6 | 495 | 2 | S32179 | copper resistance   |
| 877 | 48.5 | 9.7 | 614  | 2 | S42526  | finger protein unk | 950 | 48 | 9.6 | 513 | 2 | S28358 | tniQ protein homol  |
| 878 | 48.5 | 9.7 | 634  | 1 | S35574  | transcription fact | 951 | 48 | 9.6 | 552 | 2 | E70731 | prespore vesicle p  |
| 879 | 48.5 | 9.7 | 640  | 2 | T19346  | hypothetical prote | 952 | 48 | 9.6 | 561 | 2 | E70610 | probable pitB prot  |
| 880 | 48.5 | 9.7 | 702  | 2 | E72775  | probable helicase  | 953 | 48 | 9.6 | 580 | 2 | D84772 | hypothetical prote  |
| 881 | 48.5 | 9.7 | 726  | 2 | H62774  | phage-related DNA  | 954 | 48 | 9.6 | 594 | 1 | A46758 | probable sugar tra  |
| 882 | 48.5 | 9.7 | 779  | 2 | H71301  | probable membrane- | 955 | 48 | 9.6 | 594 | 2 | UC4065 | glutamate decarbox  |
| 883 | 48.5 | 9.7 | 786  | 2 | AG2375  | WD-40 repeat-prote | 956 | 48 | 9.6 | 600 | 2 | I49281 | glutamate decarbox  |
| 884 | 48.5 | 9.7 | 809  | 2 | S55344  | outer envelope mem | 957 | 48 | 9.6 | 606 | 2 | D86443 | fertilin alpha pre  |
| 885 | 48.5 | 9.7 | 810  | 2 | B30848  | plasmin (EC 3.4.21 | 958 | 48 | 9.6 | 615 | 1 | KFHUI2 | probable PPR-repea  |
| 886 | 48.5 | 9.7 | 860  | 2 | T39502  | hypothetical prote | 959 | 48 | 9.6 | 621 | 2 | T32131 | coagulation factor  |
| 887 | 48.5 | 9.7 | 917  | 2 | T48950  | telencephalin prec | 960 | 48 | 9.6 | 624 | 2 | T00044 | hypothetical prote  |
| 888 | 48.5 | 9.7 | 932  | 2 | T45894  | hypothetical prote | 961 | 48 | 9.6 | 624 | 2 | T00044 | low density lipopr  |
| 889 | 48.5 | 9.7 | 958  | 2 | H84783  | probable PHD-type  | 962 | 48 | 9.6 | 634 | 2 | T02594 | vacuolar sorting r  |
| 890 | 48.5 | 9.7 | 977  | 2 | S49004  | tyrosine kinase Mp | 963 | 48 | 9.6 | 634 | 2 | T02594 | hypothetical prote  |
| 891 | 48.5 | 9.7 | 1021 | 2 | T05108  | hypothetical prote | 964 | 48 | 9.6 | 651 | 2 | A39372 | potassium channel   |
| 892 | 48.5 | 9.7 | 1162 | 2 | T21557  | hypothetical prote | 965 | 48 | 9.6 | 690 | 2 | G84638 | hypothetical prote  |
| 893 | 48.5 | 9.7 | 1207 | 1 | EGHU    | epidermal growth f | 966 | 48 | 9.6 | 698 | 2 | T23469 | hypothetical prote  |
| 894 | 48.5 | 9.7 | 1247 | 1 | MMHUND  | nidogen precursor  | 967 | 48 | 9.6 | 706 | 2 | T49899 | zinc finger transcr |
| 895 | 48.5 | 9.7 | 1328 | 2 | T43060  | agrin - electric r | 968 | 48 | 9.6 | 724 | 2 | E71404 | hypothetical prote  |
| 896 | 48.5 | 9.7 | 1391 | 2 | T20406  | hypothetical prote | 969 | 48 | 9.6 | 729 | 2 | AH2857 | anthranilate synth  |
| 897 | 48.5 | 9.7 | 1490 | 2 | S72351  | nonstructural poly | 970 | 48 | 9.6 | 739 | 2 | T21431 | hypothetical prote  |
| 898 | 48.5 | 9.7 | 1508 | 2 | E87696  | glutamate synthase | 971 | 48 | 9.6 | 748 | 2 | S41050 | fibroblast growth   |
| 899 | 48.5 | 9.7 | 1895 | 2 | T15881  | hypothetical prote | 972 | 48 | 9.6 | 750 | 2 | S41051 | fibroblast growth   |
| 900 | 48.5 | 9.7 | 2182 | 2 | T14320  | calcineurin inhibi | 973 | 48 | 9.6 | 786 | 2 | A35466 | progesterone recep  |
| 901 | 48.5 | 9.7 | 2643 | 2 | T29149  | hypothetical prote | 974 | 48 | 9.6 | 818 | 2 | T32154 | hypothetical prote  |
| 902 | 48.5 | 9.7 | 3005 | 1 | GNVSTV  | genome polyprotein | 975 | 48 | 9.6 | 822 | 2 | T25866 | hypothetical prote  |
| 903 | 48.5 | 9.7 | 3672 | 2 | T23433  | hypothetical prote | 976 | 48 | 9.6 | 824 | 2 | T23923 | hypothetical prote  |
| 904 | 48.5 | 9.7 | 3704 | 2 | T37316  | probable laminin a | 977 | 48 | 9.6 | 834 | 2 | S13442 | hemocyanin type A   |
| 905 | 48   | 9.6 | 66   | 2 | S59621  | metallothionein is | 978 | 48 | 9.6 | 840 | 2 | AG0526 | penicillin-binding  |

|      |      |     |      |   |        |                    |      |      |     |      |   |        |                       |
|------|------|-----|------|---|--------|--------------------|------|------|-----|------|---|--------|-----------------------|
| 979  | 48   | 9.6 | 832  | 2 | F87325 | hypothetical prote | 1052 | 47.5 | 9.5 | 416  | 1 | JN0006 | nerve growth facto    |
| 980  | 48   | 9.6 | 923  | 2 | A39596 | progesterone recep | 1053 | 47.5 | 9.5 | 418  | 2 | E90925 | probable enzyme EC    |
| 981  | 48   | 9.6 | 923  | 2 | I53280 | progesterone recep | 1054 | 47.5 | 9.5 | 418  | 2 | A85774 | hypothetical prote    |
| 982  | 48   | 9.6 | 930  | 2 | A25923 | progesterone recep | 1055 | 47.5 | 9.5 | 418  | 2 | B64924 | vascular endotheli    |
| 983  | 48   | 9.6 | 933  | 1 | QRHUP  | progesterone recep | 1056 | 47.5 | 9.5 | 419  | 2 | S69207 | nucleosidase prote    |
| 984  | 48   | 9.6 | 948  | 2 | AD0790 | sensor protein Rcs | 1057 | 47.5 | 9.5 | 429  | 1 | VHVHV  | hypothetical prote    |
| 985  | 48   | 9.6 | 965  | 2 | S62935 | hypothetical prote | 1058 | 47.5 | 9.5 | 451  | 2 | T20798 | similar to phospho    |
| 986  | 48   | 9.6 | 972  | 2 | A30363 | glycoprotein GP330 | 1059 | 47.5 | 9.5 | 454  | 2 | A97048 | zinc finger protei    |
| 987  | 48   | 9.6 | 1013 | 2 | I50615 | receptor-type prot | 1060 | 47.5 | 9.5 | 455  | 2 | T32189 | probable lipopolys    |
| 988  | 48   | 9.6 | 1019 | 2 | A38738 | coagulation factor | 1061 | 47.5 | 9.5 | 473  | 2 | C81984 | probable udp-n-ace    |
| 989  | 48   | 9.6 | 1068 | 2 | T04112 | pol protein homolo | 1062 | 47.5 | 9.5 | 475  | 2 | T39359 | 4-carboxy-2-hydrox    |
| 990  | 48   | 9.6 | 1076 | 2 | F96831 | hypothetical prote | 1063 | 47.5 | 9.5 | 484  | 2 | T31272 | 4-carboxy-2-hydrox    |
| 991  | 48   | 9.6 | 1100 | 2 | G83376 | probable trehalose | 1064 | 47.5 | 9.5 | 505  | 2 | T31272 | thioglucohydrolase (E |
| 992  | 48   | 9.6 | 1146 | 2 | A38587 | collagen, cornea-s | 1065 | 47.5 | 9.5 | 524  | 2 | S57621 | amine oxidase (fla    |
| 993  | 48   | 9.6 | 1193 | 2 | A86193 | hypothetical prote | 1066 | 47.5 | 9.5 | 527  | 2 | S13763 | hypothetical prote    |
| 994  | 48   | 9.6 | 1352 | 2 | G84473 | hypothetical prote | 1067 | 47.5 | 9.5 | 535  | 2 | S03974 | hypothetical prote    |
| 995  | 48   | 9.6 | 1416 | 2 | B88550 | protein ZC84.1 [im | 1068 | 47.5 | 9.5 | 537  | 2 | D86299 | CADP protein alpha    |
| 996  | 48   | 9.6 | 1433 | 2 | A46053 | bullous pemphigoid | 1069 | 47.5 | 9.5 | 558  | 2 | S57953 | conserved hypoteth    |
| 997  | 48   | 9.6 | 1532 | 2 | A61262 | collagen alpha 1(X | 1070 | 47.5 | 9.5 | 587  | 2 | AG3169 | protein-tyrosine k    |
| 998  | 48   | 9.6 | 1609 | 1 | MMHUB2 | laminin gamma-1 ch | 1071 | 47.5 | 9.5 | 602  | 2 | JU0215 | calnexin-t - mouse    |
| 999  | 48   | 9.6 | 1767 | 2 | T00458 | hypothetical prote | 1072 | 47.5 | 9.5 | 611  | 2 | A54086 | protein-tyrosine k    |
| 1000 | 48   | 9.6 | 1808 | 2 | T15099 | hypothetical prote | 1073 | 47.5 | 9.5 | 630  | 1 | T01380 | hypothetical prote    |
| 1001 | 48   | 9.6 | 1959 | 1 | A33977 | myosin heavy chain | 1074 | 47.5 | 9.5 | 631  | 2 | E71933 | succinate dehydrog    |
| 1002 | 48   | 9.6 | 2214 | 2 | T16305 | hypothetical prote | 1075 | 47.5 | 9.5 | 665  | 1 | A42792 | hypothetical prote    |
| 1003 | 48   | 9.6 | 2339 | 2 | A45597 | DNA-directed RNA p | 1076 | 47.5 | 9.5 | 817  | 2 | T21336 | xeroderma pigmento    |
| 1004 | 48   | 9.6 | 2470 | 2 | I50726 | cation-independent | 1077 | 47.5 | 9.5 | 900  | 2 | S70630 | protein f3f9.18 [i    |
| 1005 | 48   | 9.6 | 2610 | 2 | T20968 | hypothetical prote | 1078 | 47.5 | 9.5 | 919  | 2 | A96812 | hypothetical prote    |
| 1006 | 48   | 9.6 | 2809 | 2 | T30213 | G-cadherin - sea u | 1079 | 47.5 | 9.5 | 922  | 2 | T23573 | receptor protein k    |
| 1007 | 48   | 9.6 | 2844 | 2 | S28291 | hemocyanin G-type  | 1080 | 47.5 | 9.5 | 987  | 2 | T50850 | hypothetical prote    |
| 1008 | 48   | 9.6 | 2896 | 2 | T30939 | polyprotein - deng | 1081 | 47.5 | 9.5 | 1042 | 2 | T26644 | hypothetical prote    |
| 1009 | 48   | 9.6 | 3391 | 2 | JS0219 | metallothionein A  | 1082 | 47.5 | 9.5 | 1045 | 2 | S55253 | sucrose-phosphate     |
| 1010 | 47.5 | 9.5 | 64   | 2 | A25775 | neurotoxin 3 - bar | 1083 | 47.5 | 9.5 | 1119 | 2 | T16720 | hypothetical prote    |
| 1011 | 47.5 | 9.5 | 65   | 1 | NTSR3C | Ig heavy chain V r | 1084 | 47.5 | 9.5 | 1158 | 2 | T50454 | probable rhoL GDP-    |
| 1012 | 47.5 | 9.5 | 97   | 2 | S26890 | hypothetical prote | 1085 | 47.5 | 9.5 | 1210 | 2 | S35548 | DNA-directed RNA p    |
| 1013 | 47.5 | 9.5 | 100  | 2 | T17962 | Ig heavy chain V r | 1086 | 47.5 | 9.5 | 1224 | 2 | A25884 | nonstructural poly    |
| 1014 | 47.5 | 9.5 | 108  | 2 | PH1651 | hypothetical prote | 1087 | 47.5 | 9.5 | 2492 | 1 | C44213 | nonstructural poly    |
| 1015 | 47.5 | 9.5 | 113  | 2 | D75583 | cysteine-rich prot | 1088 | 47.5 | 9.5 | 2492 | 1 | MMWTD  | filamin, Muller ce    |
| 1016 | 47.5 | 9.5 | 120  | 2 | T31000 | hypothetical prote | 1089 | 47.5 | 9.5 | 2567 | 2 | A49551 | seven-pass transme    |
| 1017 | 47.5 | 9.5 | 125  | 2 | S24831 | cell wall hydrolas | 1090 | 47.5 | 9.5 | 3034 | 2 | T14119 | hypothetical prote    |
| 1018 | 47.5 | 9.5 | 143  | 2 | B84128 | isoquinoline 1-oxi | 1091 | 47.5 | 9.5 | 3228 | 2 | T21381 | trithorax protein     |
| 1019 | 47.5 | 9.5 | 152  | 1 | A56939 | keratin high-sulfu | 1092 | 47.5 | 9.5 | 3759 | 2 | A35085 | hypothetical prote    |
| 1020 | 47.5 | 9.5 | 172  | 1 | KRSHHA | hypothetical prote | 1093 | 47.5 | 9.5 | 3766 | 2 | T29165 | polyprotein - fava    |
| 1021 | 47.5 | 9.5 | 186  | 2 | T32656 | probable aldehyde  | 1094 | 47.5 | 9.5 | 5825 | 2 | T12117 | probable small sec    |
| 1022 | 47.5 | 9.5 | 207  | 2 | F95966 | hypothetical prote | 1095 | 47.5 | 9.5 | 88   | 2 | T36927 | gibberellin-regula    |
| 1023 | 47.5 | 9.5 | 209  | 2 | T02394 | hypothetical prote | 1096 | 47.5 | 9.5 | 97   | 2 | S71371 | T cell leukemia/ly    |
| 1024 | 47.5 | 9.5 | 220  | 2 | T17970 | hypothetical prote | 1097 | 47.5 | 9.5 | 114  | 2 | I38286 | hypothetical prote    |
| 1025 | 47.5 | 9.5 | 230  | 2 | TC7972 | spermatogenesis-re | 1098 | 47.5 | 9.5 | 114  | 2 | T19716 | metalloproteinase     |
| 1026 | 47.5 | 9.5 | 231  | 2 | B50691 | hypothetical prote | 1099 | 47.5 | 9.5 | 131  | 1 | ZYSMN  | keratin high-sulfu    |
| 1027 | 47.5 | 9.5 | 231  | 2 | D64774 | ybaX protein - Esc | 1100 | 47.5 | 9.5 | 131  | 1 | KXGT3M | hypothetical prote    |
| 1028 | 47.5 | 9.5 | 231  | 2 | F85541 | hypothetical prote | 1101 | 47.5 | 9.5 | 138  | 2 | A05215 | hypothetical prote    |
| 1029 | 47.5 | 9.5 | 236  | 2 | H71287 | conserved hypoteth | 1102 | 47.5 | 9.5 | 144  | 2 | C71252 | hypothetical prote    |
| 1030 | 47.5 | 9.5 | 255  | 2 | I38426 | lymphocyte activat | 1103 | 47.5 | 9.5 | 150  | 2 | D87652 | hypothetical prote    |
| 1031 | 47.5 | 9.5 | 264  | 2 | T16271 | hypothetical prote | 1104 | 47.5 | 9.5 | 155  | 2 | T25845 | hypothetical prote    |
| 1032 | 47.5 | 9.5 | 281  | 2 | C86638 | protein P58F6.1 [i | 1105 | 47.5 | 9.5 | 157  | 2 | C87659 | conserved hypoteth    |
| 1033 | 47.5 | 9.5 | 304  | 2 | T30716 | hypothetical prote | 1106 | 47.5 | 9.5 | 158  | 2 | AB1045 | FxaA protein (impo    |
| 1034 | 47.5 | 9.5 | 308  | 2 | T05297 | hypothetical prote | 1107 | 47.5 | 9.5 | 158  | 2 | AG0223 | hypothetical prote    |
| 1035 | 47.5 | 9.5 | 312  | 2 | T25048 | hypothetical prote | 1108 | 47.5 | 9.5 | 158  | 2 | T42700 | conserved hypoteth    |
| 1036 | 47.5 | 9.5 | 317  | 2 | AD0461 | lybR-family transc | 1109 | 47.5 | 9.5 | 167  | 1 | JC1102 | endothelin 3 precu    |
| 1037 | 47.5 | 9.5 | 323  | 1 | SVBAC  | cysteine synthase  | 1110 | 47.5 | 9.5 | 168  | 2 | S78110 | thi protein - Rhiz    |
| 1038 | 47.5 | 9.5 | 323  | 2 | AD0810 | cysteine synthase  | 1111 | 47.5 | 9.5 | 169  | 2 | JQ1599 | dUMP diphosphatase    |
| 1039 | 47.5 | 9.5 | 324  | 2 | S20981 | chitinase (EC 3.2. | 1112 | 47.5 | 9.5 | 176  | 2 | B85355 | hypothetical prote    |
| 1040 | 47.5 | 9.5 | 324  | 2 | JC2395 | Fas antigen precu  | 1113 | 47.5 | 9.5 | 176  | 2 | T22273 | hypothetical prote    |
| 1041 | 47.5 | 9.5 | 325  | 2 | T02455 | hypothetical prote | 1114 | 47.5 | 9.5 | 180  | 2 | AB1010 | conserved hypoteth    |
| 1042 | 47.5 | 9.5 | 329  | 2 | T32783 | hypothetical prote | 1115 | 47.5 | 9.5 | 200  | 2 | F69047 | hypothetical prote    |
| 1043 | 47.5 | 9.5 | 333  | 2 | T20436 | hypothetical prote | 1116 | 47.5 | 9.5 | 208  | 2 | F97570 | GTP cyclohydrolase    |
| 1044 | 47.5 | 9.5 | 342  | 2 | T18993 | hypothetical prote | 1117 | 47.5 | 9.5 | 208  | 2 | A27291 | GTP cyclohydrolase    |
| 1045 | 47.5 | 9.5 | 347  | 2 | T34131 | hypothetical prote | 1118 | 47.5 | 9.5 | 219  | 2 | H85358 | hypothetical prote    |
| 1046 | 47.5 | 9.5 | 354  | 2 | T19856 | hypothetical prote | 1119 | 47.5 | 9.5 | 230  | 2 | S25964 | ribosomal protein     |
| 1047 | 47.5 | 9.5 | 370  | 2 | F86236 | protein F14N23.9 [ | 1120 | 47.5 | 9.5 | 233  | 2 | T22977 | hypothetical prote    |
| 1048 | 47.5 | 9.5 | 375  | 2 | AB1227 | conserved hypoteth | 1121 | 47.5 | 9.5 | 236  | 2 | A53853 | apolipoprotein B m    |
| 1049 | 47.5 | 9.5 | 375  | 2 | F81999 | probable integral  | 1122 | 47.5 | 9.5 | 242  | 2 | T31174 | hypothetical prote    |
| 1050 | 47.5 | 9.5 | 397  | 2 | A32370 | cyclin B1 - Africa | 1123 | 47.5 | 9.5 |      |   |        |                       |
| 1051 | 47.5 | 9.5 | 411  | 2 | T19728 | hypothetical prote | 1124 | 47.5 | 9.5 |      |   |        |                       |

|      |    |     |     |   |        |      |      |     |      |   |        |                     |
|------|----|-----|-----|---|--------|------|------|-----|------|---|--------|---------------------|
| 1125 | 47 | 9.4 | 250 | 2 | E70104 | 1198 | 47   | 9.4 | 788  | 1 | JUHLH  | DNA-directed DNA p  |
| 1126 | 47 | 9.4 | 258 | 2 | D85550 | 1199 | 47   | 9.4 | 861  | 2 | I39714 | cellulose synthase  |
| 1127 | 47 | 9.4 | 258 | 2 | A30700 | 1200 | 47   | 9.4 | 907  | 2 | B75182 | DNA-directed RNA p  |
| 1128 | 47 | 9.4 | 266 | 2 | T08059 | 1201 | 47   | 9.4 | 916  | 2 | G75417 | SNF2/Rad54 helicase |
| 1129 | 47 | 9.4 | 271 | 2 | S12783 | 1202 | 47   | 9.4 | 969  | 1 | A39490 | subtilisin-like pr  |
| 1130 | 47 | 9.4 | 271 | 2 | J45484 | 1203 | 47   | 9.4 | 988  | 2 | I50611 | protein-tyrosine k  |
| 1131 | 47 | 9.4 | 274 | 2 | T36489 | 1204 | 47   | 9.4 | 1086 | 2 | T05407 | hypothetical prote  |
| 1132 | 47 | 9.4 | 279 | 2 | C75538 | 1205 | 47   | 9.4 | 1168 | 2 | I56985 | kalinin B1 - mouse  |
| 1133 | 47 | 9.4 | 280 | 2 | A42424 | 1206 | 47   | 9.4 | 1219 | 2 | H84464 | probable helicase   |
| 1134 | 47 | 9.4 | 283 | 2 | J65531 | 1207 | 47   | 9.4 | 1324 | 2 | S06187 | RNA2 polyprotein -  |
| 1135 | 47 | 9.4 | 309 | 2 | B49878 | 1208 | 47   | 9.4 | 1354 | 2 | T13363 | phosphoribosylform  |
| 1136 | 47 | 9.4 | 332 | 2 | D70605 | 1209 | 47   | 9.4 | 1356 | 2 | A45445 | janusin precursor,  |
| 1137 | 47 | 9.4 | 338 | 2 | A18116 | 1210 | 47   | 9.4 | 1372 | 2 | T25933 | hypothetical prote  |
| 1138 | 47 | 9.4 | 350 | 2 | T39795 | 1211 | 47   | 9.4 | 1375 | 2 | T18961 | hypothetical prote  |
| 1139 | 47 | 9.4 | 350 | 2 | S00337 | 1212 | 47   | 9.4 | 1474 | 2 | D88550 | FAB1 protein homol  |
| 1140 | 47 | 9.4 | 351 | 2 | S20078 | 1213 | 47   | 9.4 | 1545 | 2 | T14288 | protein Zc84.6 [im  |
| 1141 | 47 | 9.4 | 353 | 1 | ROECA  | 1214 | 47   | 9.4 | 1611 | 2 | G84493 | DNA (cytosine-5') - |
| 1142 | 47 | 9.4 | 353 | 2 | AH0843 | 1215 | 47   | 9.4 | 1961 | 1 | A61231 | probable retroelem  |
| 1143 | 47 | 9.4 | 353 | 2 | H08843 | 1216 | 47   | 9.4 | 2201 | 2 | A32160 | myosin heavy chain  |
| 1144 | 47 | 9.4 | 353 | 2 | D91073 | 1217 | 47   | 9.4 | 4151 | 2 | T13734 | tenascin-C - human  |
| 1145 | 47 | 9.4 | 354 | 2 | S31481 | 1218 | 46.5 | 9.3 | 58   | 2 | AD0841 | groovin gene prote  |
| 1146 | 47 | 9.4 | 356 | 2 | S37586 | 1219 | 46.5 | 9.3 | 65   | 1 | NTSR1C | hypothetical prote  |
| 1147 | 47 | 9.4 | 356 | 2 | AG0401 | 1220 | 46.5 | 9.3 | 98   | 2 | I47086 | neurotoxin 1 - bar  |
| 1148 | 47 | 9.4 | 358 | 2 | T26281 | 1221 | 46.5 | 9.3 | 118  | 1 | PSKPT3 | BIIB4 high-sulfur   |
| 1149 | 47 | 9.4 | 367 | 1 | S24935 | 1222 | 46.5 | 9.3 | 130  | 2 | T08584 | phospholipase A2 (  |
| 1150 | 47 | 9.4 | 369 | 2 | A46114 | 1223 | 46.5 | 9.3 | 137  | 2 | T15609 | hypothetical prote  |
| 1151 | 47 | 9.4 | 380 | 2 | G01639 | 1224 | 46.5 | 9.3 | 141  | 2 | A64751 | hypothetical prote  |
| 1152 | 47 | 9.4 | 387 | 2 | B38302 | 1225 | 46.5 | 9.3 | 147  | 2 | G3586  | hypothetical prote  |
| 1153 | 47 | 9.4 | 404 | 2 | H84593 | 1226 | 46.5 | 9.3 | 164  | 2 | J01551 | V3 protein - Panic  |
| 1154 | 47 | 9.4 | 410 | 2 | S26669 | 1227 | 46.5 | 9.3 | 182  | 1 | KRSHHD | keratin high-sulfu  |
| 1155 | 47 | 9.4 | 434 | 2 | T19205 | 1228 | 46.5 | 9.3 | 188  | 1 | S35524 | adrenodoxin precu   |
| 1156 | 47 | 9.4 | 438 | 2 | E86924 | 1229 | 46.5 | 9.3 | 198  | 2 | S56510 | hypothetical prote  |
| 1157 | 47 | 9.4 | 444 | 2 | T27234 | 1230 | 46.5 | 9.3 | 202  | 2 | T10358 | thiol-endopeptid    |
| 1158 | 47 | 9.4 | 446 | 2 | A34418 | 1231 | 46.5 | 9.3 | 210  | 2 | T10590 | hypothetical prote  |
| 1159 | 47 | 9.4 | 448 | 2 | D41727 | 1232 | 46.5 | 9.3 | 235  | 2 | H43513 | hemoglobin linker   |
| 1160 | 47 | 9.4 | 448 | 2 | T36114 | 1233 | 46.5 | 9.3 | 252  | 2 | H82574 | phage-related prot  |
| 1161 | 47 | 9.4 | 451 | 2 | A1651  | 1234 | 46.5 | 9.3 | 259  | 1 | PMWBM  | biophosphoglycerat  |
| 1162 | 47 | 9.4 | 461 | 1 | KXHU   | 1235 | 46.5 | 9.3 | 274  | 2 | T52103 | probable bpoC prot  |
| 1163 | 47 | 9.4 | 478 | 2 | JQ1301 | 1236 | 46.5 | 9.3 | 277  | 2 | JC7903 | GATA-binding trans  |
| 1164 | 47 | 9.4 | 479 | 2 | T16130 | 1237 | 46.5 | 9.3 | 279  | 1 | HLMSG  | collectin liver 1   |
| 1165 | 47 | 9.4 | 486 | 2 | T06770 | 1238 | 46.5 | 9.3 | 282  | 2 | S27769 | class II histocomp  |
| 1166 | 47 | 9.4 | 490 | 2 | T06710 | 1239 | 46.5 | 9.3 | 282  | 2 | S27769 | NAD glycohydrolase  |
| 1167 | 47 | 9.4 | 493 | 2 | JC5621 | 1240 | 46.5 | 9.3 | 292  | 2 | T50710 | hypothetical prote  |
| 1168 | 47 | 9.4 | 499 | 2 | A86468 | 1241 | 46.5 | 9.3 | 305  | 2 | S76401 | hypothetical prote  |
| 1169 | 47 | 9.4 | 500 | 2 | S26688 | 1242 | 46.5 | 9.3 | 312  | 2 | D97552 | lipid A biosynthes  |
| 1170 | 47 | 9.4 | 520 | 2 | I84718 | 1243 | 46.5 | 9.3 | 312  | 2 | A52772 | lipid A biosynthes  |
| 1171 | 47 | 9.4 | 522 | 2 | D96764 | 1244 | 46.5 | 9.3 | 313  | 2 | T22828 | hypothetical prote  |
| 1172 | 47 | 9.4 | 527 | 2 | J50373 | 1245 | 46.5 | 9.3 | 316  | 2 | S65020 | chitinase (EC 3.2.  |
| 1173 | 47 | 9.4 | 533 | 2 | S37781 | 1246 | 46.5 | 9.3 | 320  | 2 | S22450 | probable virulence  |
| 1174 | 47 | 9.4 | 541 | 2 | T47290 | 1247 | 46.5 | 9.3 | 320  | 2 | S22450 | 3-oxoacyl-(acyl-ca  |
| 1175 | 47 | 9.4 | 551 | 1 | VGNZPG | 1248 | 46.5 | 9.3 | 328  | 2 | B81724 | cell adhesion glyco |
| 1176 | 47 | 9.4 | 555 | 2 | I53869 | 1249 | 46.5 | 9.3 | 332  | 2 | F85058 | conserved hypothet  |
| 1177 | 47 | 9.4 | 555 | 2 | T40294 | 1250 | 46.5 | 9.3 | 332  | 2 | F85058 | hypothetical prote  |
| 1178 | 47 | 9.4 | 581 | 2 | F82723 | 1251 | 46.5 | 9.3 | 342  | 2 | A83263 | dihydroxotatate deh |
| 1179 | 47 | 9.4 | 585 | 2 | T47364 | 1252 | 46.5 | 9.3 | 347  | 2 | T32768 | hypothetical prote  |
| 1180 | 47 | 9.4 | 606 | 2 | S43118 | 1253 | 46.5 | 9.3 | 356  | 2 | T22827 | hypothetical prote  |
| 1181 | 47 | 9.4 | 612 | 2 | JH0799 | 1254 | 46.5 | 9.3 | 359  | 2 | A43532 | B-cell surface ant  |
| 1182 | 47 | 9.4 | 621 | 2 | JC1346 | 1255 | 46.5 | 9.3 | 367  | 2 | G71076 | probable hydrogen   |
| 1183 | 47 | 9.4 | 635 | 2 | S36718 | 1256 | 46.5 | 9.3 | 369  | 1 | TVCHTB | thyroid hormone re  |
| 1184 | 47 | 9.4 | 647 | 2 | E82579 | 1257 | 46.5 | 9.3 | 369  | 2 | S58211 | beta-thyroid hormo  |
| 1185 | 47 | 9.4 | 651 | 2 | E85024 | 1258 | 46.5 | 9.3 | 371  | 2 | T32692 | hypothetical prote  |
| 1186 | 47 | 9.4 | 676 | 2 | A40363 | 1259 | 46.5 | 9.3 | 377  | 2 | C83372 | hypothetical prote  |
| 1187 | 47 | 9.4 | 693 | 2 | JN0673 | 1260 | 46.5 | 9.3 | 390  | 2 | D70849 | probable aminotran  |
| 1188 | 47 | 9.4 | 704 | 2 | B84685 | 1261 | 46.5 | 9.3 | 391  | 2 | H70640 | probable pqqE prot  |
| 1189 | 47 | 9.4 | 716 | 1 | A40332 | 1262 | 46.5 | 9.3 | 394  | 2 | T21013 | hypothetical prote  |
| 1190 | 47 | 9.4 | 724 | 2 | C49423 | 1263 | 46.5 | 9.3 | 403  | 2 | C75405 | streptomycin biosy  |
| 1191 | 47 | 9.4 | 735 | 2 | T08140 | 1264 | 46.5 | 9.3 | 419  | 2 | JQ2254 | farnesyl-diphospha  |
| 1192 | 47 | 9.4 | 735 | 2 | AE1858 | 1265 | 46.5 | 9.3 | 421  | 2 | E86184 | hypothetical prote  |
| 1193 | 47 | 9.4 | 743 | 2 | B84639 | 1266 | 46.5 | 9.3 | 437  | 2 | B70540 | probable adenosylm  |
| 1194 | 47 | 9.4 | 756 | 2 | S47656 | 1267 | 46.5 | 9.3 | 446  | 2 | T31644 | hypothetical prote  |
| 1195 | 47 | 9.4 | 759 | 2 | T43031 | 1268 | 46.5 | 9.3 | 449  | 2 | C84458 | hypothetical prote  |
| 1196 | 47 | 9.4 | 763 | 2 | D86326 | 1269 | 46.5 | 9.3 | 459  | 2 | T19991 | hypothetical prote  |
| 1197 | 47 | 9.4 | 775 | 2 | A48644 | 1270 | 46.5 | 9.3 | 465  | 2 | H86482 | protein F575.11 [i  |

|      |      |     |    |        |      |    |     |     |   |        |                      |
|------|------|-----|----|--------|------|----|-----|-----|---|--------|----------------------|
| 1271 | 46.5 | 9.3 | 1  | NMIV27 | 1344 | 46 | 9.2 | 62  | 2 | H81791 | hypothetical prote   |
| 1272 | 46.5 | 9.3 | 2  | C81039 | 1345 | 46 | 9.2 | 66  | 2 | A55869 | crustacean-specifi   |
| 1273 | 46.5 | 9.3 | 2  | T46067 | 1346 | 46 | 9.2 | 81  | 4 | B49316 | hypothetical prote   |
| 1274 | 46.5 | 9.3 | 2  | S09489 | 1347 | 46 | 9.2 | 95  | 2 | T42112 | hypothetical prote   |
| 1275 | 46.5 | 9.3 | 2  | JC7189 | 1348 | 46 | 9.2 | 98  | 1 | KRSHH4 | keratin high-sulfu   |
| 1276 | 46.5 | 9.3 | 2  | I80182 | 1349 | 46 | 9.2 | 113 | 2 | S56647 | trypsin inhibitor    |
| 1277 | 46.5 | 9.3 | 2  | JM0056 | 1350 | 46 | 9.2 | 123 | 2 | S18470 | wnt protein homolo   |
| 1278 | 46.5 | 9.3 | 2  | T19390 | 1351 | 46 | 9.2 | 124 | 2 | AE2874 | hypothetical prote   |
| 1279 | 46.5 | 9.3 | 2  | S10772 | 1352 | 46 | 9.2 | 125 | 2 | E72716 | hypothetical prote   |
| 1280 | 46.5 | 9.3 | 2  | E42902 | 1353 | 46 | 9.2 | 127 | 2 | T44119 | hypothetical prote   |
| 1281 | 46.5 | 9.3 | 2  | I80183 | 1354 | 46 | 9.2 | 135 | 2 | H72531 | hypothetical prote   |
| 1282 | 46.5 | 9.3 | 2  | A41907 | 1355 | 46 | 9.2 | 137 | 2 | AI0575 | conserved hypothet   |
| 1283 | 46.5 | 9.3 | 2  | S51568 | 1356 | 46 | 9.2 | 143 | 2 | JQ1448 | hypothetical 16K p   |
| 1284 | 46.5 | 9.3 | 2  | S00336 | 1357 | 46 | 9.2 | 150 | 1 | OKBS1  | cell division cont   |
| 1285 | 46.5 | 9.3 | 2  | T23003 | 1358 | 46 | 9.2 | 151 | 2 | AE2352 | hypothetical prote   |
| 1286 | 46.5 | 9.3 | 2  | T38558 | 1359 | 46 | 9.2 | 156 | 2 | H69455 | tungsten formylmet   |
| 1287 | 46.5 | 9.3 | 2  | T16408 | 1360 | 46 | 9.2 | 160 | 2 | C86458 | unknown protein, 6   |
| 1288 | 46.5 | 9.3 | 2  | G70366 | 1361 | 46 | 9.2 | 163 | 1 | H83499 | ferredoxin protein   |
| 1289 | 46.5 | 9.3 | 2  | A32545 | 1362 | 46 | 9.2 | 174 | 2 | T15176 | hypothetical prote   |
| 1290 | 46.5 | 9.3 | 2  | T00859 | 1363 | 46 | 9.2 | 180 | 2 | AG0796 | NADH2 dehydrogenas   |
| 1291 | 46.5 | 9.3 | 2  | T23271 | 1364 | 46 | 9.2 | 180 | 2 | F85868 | NADH dehydrogenase   |
| 1292 | 46.5 | 9.3 | 2  | T18635 | 1365 | 46 | 9.2 | 180 | 2 | G64999 | NADH2 dehydrogenas   |
| 1293 | 46.5 | 9.3 | 2  | C42125 | 1366 | 46 | 9.2 | 180 | 2 | E91024 | NADH dehydrogenase   |
| 1294 | 46.5 | 9.3 | 2  | T30620 | 1367 | 46 | 9.2 | 184 | 2 | AB0311 | NADH2 dehydrogenas   |
| 1295 | 46.5 | 9.3 | 2  | G95964 | 1368 | 46 | 9.2 | 184 | 2 | AC3427 | transposase BME114   |
| 1296 | 46.5 | 9.3 | 2  | B71379 | 1369 | 46 | 9.2 | 188 | 2 | G95889 | probable oxidoredu   |
| 1297 | 46.5 | 9.3 | 2  | T06088 | 1370 | 46 | 9.2 | 191 | 2 | G90088 | 40S ribosomal prot   |
| 1298 | 46.5 | 9.3 | 2  | S52390 | 1371 | 46 | 9.2 | 193 | 2 | T35847 | probable carbonic    |
| 1299 | 46.5 | 9.3 | 2  | C82548 | 1372 | 46 | 9.2 | 193 | 2 | D97157 | stage III sporulat   |
| 1300 | 46.5 | 9.3 | 2  | JC7501 | 1373 | 46 | 9.2 | 203 | 2 | T17972 | hypothetical prote   |
| 1301 | 46.5 | 9.3 | 2  | B71972 | 1374 | 46 | 9.2 | 204 | 2 | E84443 | probable disease r   |
| 1302 | 46.5 | 9.3 | 2  | D64534 | 1375 | 46 | 9.2 | 205 | 2 | G82563 | autolytic lysozyme   |
| 1303 | 46.5 | 9.3 | 2  | A71141 | 1376 | 46 | 9.2 | 207 | 2 | S28510 | E6 protein - multi   |
| 1304 | 46.5 | 9.3 | 2  | T12627 | 1377 | 46 | 9.2 | 209 | 2 | T30698 | hypothetical prote   |
| 1305 | 46.5 | 9.3 | 2  | T13595 | 1378 | 46 | 9.2 | 210 | 1 | QOZMCA | hypothetical prote   |
| 1306 | 46.5 | 9.3 | 2  | F87789 | 1379 | 46 | 9.2 | 210 | 2 | I40540 | vsd protein - Pse    |
| 1307 | 46.5 | 9.3 | 2  | S32659 | 1380 | 46 | 9.2 | 214 | 2 | AF0779 | glutathione-S-tran   |
| 1308 | 46.5 | 9.3 | 2  | S28084 | 1381 | 46 | 9.2 | 215 | 2 | A29318 | ubiquinol-cytochro   |
| 1309 | 46.5 | 9.3 | 2  | E82227 | 1382 | 46 | 9.2 | 226 | 2 | B82825 | hypothetical prote   |
| 1310 | 46.5 | 9.3 | 2  | A36811 | 1383 | 46 | 9.2 | 226 | 2 | D81741 | hypothetical prote   |
| 1311 | 46.5 | 9.3 | 2  | T52569 | 1384 | 46 | 9.2 | 231 | 1 | RDCUF  | F4489.9 protein -    |
| 1312 | 46.5 | 9.3 | 2  | QKXLL2 | 1385 | 46 | 9.2 | 231 | 1 | D97237 | glutamate decarbox   |
| 1313 | 46.5 | 9.3 | 2  | S43084 | 1386 | 46 | 9.2 | 243 | 2 | R97237 | phosphoglycerate m   |
| 1314 | 46.5 | 9.3 | 2  | T40771 | 1387 | 46 | 9.2 | 243 | 2 | D97237 | phosphoglycerate m   |
| 1315 | 46.5 | 9.3 | 2  | G90459 | 1388 | 46 | 9.2 | 249 | 2 | T24604 | hypothetical prote   |
| 1316 | 46.5 | 9.3 | 2  | AB1398 | 1389 | 46 | 9.2 | 254 | 2 | I48559 | insulin-like growt   |
| 1317 | 46.5 | 9.3 | 2  | S81773 | 1390 | 46 | 9.2 | 254 | 2 | JC1464 | insulin-like growt   |
| 1318 | 46.5 | 9.3 | 2  | T30257 | 1391 | 46 | 9.2 | 256 | 2 | T28106 | hypothetical prote   |
| 1319 | 46.5 | 9.3 | 2  | A53663 | 1392 | 46 | 9.2 | 257 | 2 | T12961 | hypothetical prote   |
| 1320 | 46.5 | 9.3 | 2  | G86342 | 1393 | 46 | 9.2 | 269 | 2 | T36639 | probable substrate   |
| 1321 | 46.5 | 9.3 | 2  | A26838 | 1394 | 46 | 9.2 | 269 | 2 | S75243 | hypothetical prote   |
| 1322 | 46.5 | 9.3 | 2  | D96798 | 1395 | 46 | 9.2 | 270 | 2 | T16868 | hypothetical prote   |
| 1323 | 46.5 | 9.3 | 2  | S31855 | 1396 | 46 | 9.2 | 286 | 2 | S61199 | hypothetical prote   |
| 1324 | 46.5 | 9.3 | 2  | I48378 | 1397 | 46 | 9.2 | 287 | 2 | B72387 | deoxyribonuclease    |
| 1325 | 46.5 | 9.3 | 2  | T33754 | 1398 | 46 | 9.2 | 289 | 2 | AH3113 | shikimate 5-dehydr   |
| 1326 | 46.5 | 9.3 | 2  | D86236 | 1399 | 46 | 9.2 | 289 | 2 | E98173 | hypothetical prote   |
| 1327 | 46.5 | 9.3 | 2  | A53183 | 1400 | 46 | 9.2 | 308 | 2 | T46026 | hypothetical prote   |
| 1328 | 46.5 | 9.3 | 2  | JQ1979 | 1401 | 46 | 9.2 | 312 | 2 | E38083 | alcohol dehydrogen   |
| 1329 | 46.5 | 9.3 | 2  | VHVVVE | 1402 | 46 | 9.2 | 312 | 2 | E38083 | probable adhE prot   |
| 1330 | 46.5 | 9.3 | 2  | VHVVVT | 1403 | 46 | 9.2 | 319 | 2 | A53502 | follicistatin - Afri |
| 1331 | 46.5 | 9.3 | 2  | D44213 | 1404 | 46 | 9.2 | 320 | 1 | G72061 | probable phosphoes   |
| 1332 | 46.5 | 9.3 | 2  | JH0675 | 1405 | 46 | 9.2 | 320 | 1 | G86562 | probable phosphoes   |
| 1333 | 46.5 | 9.3 | 2  | T33236 | 1406 | 46 | 9.2 | 325 | 1 | VMUT17 | VSG expression sit   |
| 1334 | 46.5 | 9.3 | 2  | T15276 | 1407 | 46 | 9.2 | 334 | 2 | C70673 | probable gpdA2 pro   |
| 1335 | 46.5 | 9.3 | 2  | 2163   | 1408 | 46 | 9.2 | 334 | 2 | E95279 | UDP-glucose 4-epim   |
| 1336 | 46.5 | 9.3 | 2  | 2194   | 1409 | 46 | 9.2 | 334 | 2 | E95279 | probable imported    |
| 1337 | 46.5 | 9.3 | 2  | T16743 | 1410 | 46 | 9.2 | 338 | 2 | S75089 | UDP-glucose 4-epim   |
| 1338 | 46.5 | 9.3 | 2  | JC2554 | 1411 | 46 | 9.2 | 343 | 2 | S53369 | follicistatin - chic |
| 1339 | 46   | 9.2 | 44 | I48942 | 1412 | 46 | 9.2 | 346 | 2 | A64448 | hypothetical prote   |
| 1340 | 46   | 9.2 | 44 | JC2554 | 1413 | 46 | 9.2 | 361 | 2 | T30743 | hypothetical prote   |
| 1341 | 46   | 9.2 | 60 | S68952 | 1414 | 46 | 9.2 | 366 | 1 | A46704 | aryl-alcohol dehyd   |
| 1342 | 46   | 9.2 | 60 | B27490 | 1415 | 46 | 9.2 | 366 | 1 | D70351 | probable hexosyltr   |
| 1343 | 46   | 9.2 | 60 | AE3099 | 1416 | 46 | 9.2 | 367 | 2 | T29752 | hypothetical prote   |

1417 46 9.2 368 2 S67507 morphogen lefty pr  
 1418 46 9.2 369 1 B64921 conserved hypothet  
 1419 46 9.2 369 2 AC2157 alcohol dehydrogen  
 1420 46 9.2 369 2 AC2157 alcohol dehydrogen  
 1421 46 9.2 369 2 AC2157 alcohol dehydrogen  
 1422 46 9.2 369 2 AC2157 alcohol dehydrogen  
 1423 46 9.2 370 2 JG7591 hypothetrical prote  
 1424 46 9.2 370 2 JG7591 hypothetrical prote  
 1425 46 9.2 372 2 S23936 spinal cord-derive  
 1426 46 9.2 372 2 S23936 L-selectin precurs  
 1427 46 9.2 372 2 S23936 probable oxidoredu  
 1428 46 9.2 377 2 AD1552 N-acetylglucosamin  
 1429 46 9.2 377 2 AD1552 N-acetylglucosamin  
 1430 46 9.2 379 2 T16213 APX-1 protein homo  
 1431 46 9.2 383 2 S24156 F420-nonreducing h  
 1432 46 9.2 383 2 S24156 polygalacturonase  
 1433 46 9.2 383 2 S24156 45K WW domain-cont  
 1434 46 9.2 389 2 T30454 hypothetrical prote  
 1435 46 9.2 440 2 F70792 hypothetrical prote  
 1436 46 9.2 443 2 S59771 hypothetrical prote  
 1437 46 9.2 450 2 AH2979 hypothetrical 49.3K  
 1438 46 9.2 453 2 T04828 nitrioltriacetate  
 1439 46 9.2 453 2 T04828 hypothetrical prote  
 1440 46 9.2 457 2 S38236 hypothetrical prote  
 1441 46 9.2 461 1 S18994 gamma-aminobutyric  
 1442 46 9.2 462 2 T36848 protein C (activat  
 1443 46 9.2 474 2 T29336 hypothetrical prote  
 1444 46 9.2 480 1 A30065 trigramin precursor  
 1445 46 9.2 484 2 JE0261 N-acetylglucosamin  
 1446 46 9.2 490 1 C57150 NADP-reducing hydr  
 1447 46 9.2 492 2 T38156 GlcNAc beta-1,4-N-  
 1448 46 9.2 509 2 T04688 citrate lyase - fi  
 1449 46 9.2 511 2 T34359 hypothetrical prote  
 1450 46 9.2 531 2 S75997 hypothetrical prote  
 1451 46 9.2 531 2 T14640 asparagine-tRNA li  
 1452 46 9.2 539 2 A35052 cytochrome P450 CY  
 1453 46 9.2 540 2 B37844 interleukin-2 rece  
 1454 46 9.2 553 2 T04683 probable oxidoredu  
 1455 46 9.2 556 1 S12602 60K cysteine-rich  
 1456 46 9.2 556 2 A86560 60 kDa Cysteine-ri  
 1457 46 9.2 570 2 T46011 hypothetrical prote  
 1458 46 9.2 576 2 A48157 renal transcriptio  
 1459 46 9.2 593 1 A41367 glutamate decarbox  
 1460 46 9.2 604 2 F69802 ABC transporter (A  
 1461 46 9.2 610 2 S64126 cell division cont  
 1462 46 9.2 632 2 E69407 NADH oxidase (noxB  
 1463 46 9.2 632 2 G69306 NADH oxidase (noxB  
 1464 46 9.2 675 1 KXBOS plasma protein S p  
 1465 46 9.2 679 2 I52822 leukemia virus rec  
 1466 46 9.2 679 2 I48084 gibbon ape leukemi  
 1467 46 9.2 692 2 T47493 hypothetrical prote  
 1468 46 9.2 698 1 TFHUP transferrin precur  
 1469 46 9.2 700 2 A96690 hypothetrical prote  
 1470 46 9.2 729 2 I52481 PEPT 2 - human  
 1471 46 9.2 752 1 C2HU complement C2 prec  
 1472 46 9.2 769 1 J01121 leukocyte adhesion  
 1473 46 9.2 772 2 T02805 chloride channel p  
 1474 46 9.2 781 2 T49472 hormone-sensitive  
 1475 46 9.2 825 2 S55060 ferritin alpha-II  
 1476 46 9.2 827 2 A29917 tRNA ligase (EC 6.  
 1477 46 9.2 834 2 JQ1965 hypothetrical 94K p  
 1478 46 9.2 836 2 AD2565 hypothetrical prote  
 1479 46 9.2 837 2 A42112 mucin-like peptide  
 1480 46 9.2 845 2 H71317 probable methyl-ac  
 1481 46 9.2 855 2 A48168 proliferating-cell  
 1482 46 9.2 874 2 S55602 Glycoprotein B - e  
 1483 46 9.2 882 1 IJHUCE cadherin I precurs  
 1484 46 9.2 886 1 GNLJSP hypothetrical prote  
 1485 46 9.2 897 2 S67283 pol polyprotein -  
 1486 46 9.2 897 2 S67283 hypothetrical prote  
 1487 46 9.2 905 2 S55059 probable retroelem  
 1488 46 9.2 907 2 H71031 ferritin alpha-I -  
 1489 46 9.2 908 2 T50695 probable DNA-direc  
 1490 46 9.2 908 2 T50695 secA protein [impo

## ALIGNMENTS

## RESULT 1

JC7188

REIC protein - human

C:Species: Homo sapiens (man)

C&gt;Date: 04-Mar-2000 #sequence\_revision 04-Mar-2000 #text\_change 11-May-2000

C:Accession: JC7188

R:Tsugi, T.; Miyazaki, M.; Sakaguchi, M.; Inoue, Y.; Namba, M.

Biochem. Biophys. Res. Commun. 268, 20-24, 2000

A:Title: A REIC gene shows down-regulation in human immortalized cells and human tumor

A:Reference number: JC7188; MUID:20119095; PMID:10652205

A:Accession: JC7188

A:Molecule type: mRNA

A:Residues: 1-350 &lt;TSU&gt;

A:Cross-references: UNIPARC:UPI0000179471; DBJ:AB034203

A:Experimental source: heart

C:Comment: This protein is a secreted glycoprotein for head induction in amphibian embryo

C:Genetics:

A:Gene: reic

C:Superfamily: human REIC protein

C:Keywords: cardiac muscle; coiled coil; glycoprotein; heart; tumor

Query Match 20.2%; Score 100.5; DB 2; Length 350;

Best Local Similarity 37.7%; Pred. No. 0.0035;

Matches 26; Conservative 3; Mismatches 29; Indels 11; Gaps 4;

Qy 7 CERDVQCGAGTCCAIISLWRLG--RMCTPLGREGGECH-PGSHKVPFFRRKRH-----HT 58

Db 208 CDNQDCQPGLCGCAFAQ---RGLLFPVCTPLPVEGELCHDPASRLDLITWELEPDGALDR 264

Qy 59 CPCLPNLLC 67

Db 265 CPCASGLLC 273

## RESULT 2

T08179

LRGS protein - Chlamydomonas reinhardtii

C:Species: Chlamydomonas reinhardtii

C&gt;Date: 11-Jun-1999 #sequence\_revision 11-Jun-1999 #text\_change 09-Jul-2004

C:Accession: T08179

R:Gloeckner, G.; Beck, C.F.

submitted to the EMBL Data Library, October 1996

A:Description: Molecular characterization of a gene (LRG5) involved in blue light signal

A:Reference number: Z16399

A:Accession: T08179

A:Status: preliminary; translated from GB/EMBL/DBJ

A:Molecule type: mRNA

A:Residues: 1-640 &lt;GLO&gt;

A:Cross-references: UNIPROT:Q96397; UNIPARC:UPI000009E362; EMBL:U73817; NID:g1644369; P

C:Genetics:

A:Gene: LRG5

Query Match 17.8%; Score 88.5; DB 2; Length 640;

Best Local Similarity 31.6%; Pred. No. 0.11;

Matches 24; Conservative 5; Mismatches 24; Indels 23; Gaps 4;

Qy 13 CGAGTCCCAISLWRLGRLMCTPLGREGGECHPGSHKVPFFRRKRKHHTCPLNLLCSRF-- 70



Db 488 CTAGRC---NM-----TCLPWGSGGTWPRPLMT-----SRICACLPFPCCSRWLR 533

Qy 71 -----PDGRYRCSM 79

Db 534 RWRGWA-PGRWRCSL 549

RESULT 3

T09059

notch4 - mouse

C:Species: Mus musculus (house mouse)

C>Date: 11-Jun-1999 #sequence\_revision 11-Jun-1999 #text\_change 09-Jul-2004

C:Accession: T09059

R:Rowen, L.; Mahairas, G.; Qin, S.; Ahearn, M.E.; Dankers, C.; Lasky, S.; Loretz, C.; S. submitted to the EMBL Data Library, October 1997

A:Description: Sequence of the mouse major histocompatibility locus class III region.

A:Reference number: Z16543

A:Accession: T09059

A>Status: preliminary; translated from GB/EMBL/DBJ

A:Molecule type: DNA

A:Residues: 1-1964 <ROW>

A:Cross-references: UNIPROT:P31695; UNIPARC:UPI000016C7F1; EMBL:AF030001; NID:g2564945;

C:Genetics:

A:Gene: notch4

A:Map position: 17

A:Introns: 22/1; 49/2; 148/1; 264/1; 305/1; 384/1; 436/1; 501/1; 539/1; 577/1; 618/1; 671679/3; 1729/1; 1761/3

C:Superfamily: notch protein; ankyrin repeat homology; EGF homology

C:Keywords: receptor; signal transduction

F:514-545/Domain: EGF homology <EGF>

Query Match 16.3%; Score 81; DB 2; Length 1964;

Best Local Similarity 30.4%; Pred. No. 1.8;

Matches 24; Conservative 7; Mismatches 22; Indels 26; Gaps 5;

Qy 7 CERDVO-----CGAGTCCALSLWRLGRLMC-TPLGREGECHPGSHKVPFRKRKH 57

Db 188 CERDINECFLEPGPCPGQTSCHNTL---GSYQCLCPVQGEQPC-----KLKRG 233

Qy 58 TCP---CLPNLLCSRFPDGG 73

Db 234 ACPGSGCLNGTCLQVPEG 252

RESULT 4

A56175

adhesive plaque protein Mgfp2 precursor - Mediterranean mussel

C:Species: Mytilus galloprovincialis (Mediterranean mussel)

C>Date: 27-Apr-1995 #sequence\_revision 03-Oct-1995 #text\_change 09-Jul-2004

C:Accession: A56175

R:Inoue, K.; Takeuchi, Y.; Miki, D.; Odo, S.

J. Biol. Chem. 270, 6698-6701, 1995

A:Title: Mussel adhesive plaque protein gene is a novel member of epidermal growth factor

A:Reference number: A56175; MUID:95204464; PMID:7896812

A:Accession: A56175

A:Molecule type: mRNA

A:Residues: 1-473 <INO>

A:Cross-references: UNIPROT:Q25464; UNIPARC:UPI000012AB7B; GB:D43794; NID:g602767; PIDN:

C:Keywords: duplication

F:1-17/Domain: signal sequence #status predicted <SIG>

F:387-419/Domain: EGF homology <EGF1>

F:429-460/Domain: EGF homology <EGF>

F:23,36,43,56,75,382,424,455,468,473/Modified site: 3',4'-dihydroxyphenylalanine (Tyr) #

Query Match 15.6%; Score 77.5; DB 2; Length 473;

Best Local Similarity 31.2%; Pred. No. 1.2;

Matches 24; Conservative 11; Mismatches 23; Indels 19; Gaps 7;

Qy 7 CERDVOCCAGTCCALSLWRLGRLMC-TPLGREGECH-PGSHKVPFRKRKH 62

Db 117 CEKNV-CSPNFC-----KNNGKCSPLGKTGKTCGSGYTG-----RCEVHACKPNPK 165

Qy 63 PNLLCSRFPDGR--YRC 77

Db 166 NKGRC--FPDGTGYKC 180

RESULT 5

T31070

notch homolog - sea urchin (Lytechinus variegatus)

C:Species: Lytechinus variegatus (variegated urchin)

C>Date: 22-Oct-1999 #sequence\_revision 22-Oct-1999 #text\_change 31-Jan-2000

C:Accession: T31070

R:Sherwood, D.R.; McClay, D.R.

Development 124, 3363-3374, 1997

A:Title: Identification and localization of a sea urchin Notch homologue: insights into

A:Reference number: Z20966; MUID:97454256; PMID:9310331

A:Accession: T31070

A>Status: preliminary; translated from GB/EMBL/DBJ

A:Molecule type: mRNA

A:Residues: 1-2531 <SHE>

A:Cross-references: UNIPARC:UPI000007E31C; EMBL:AF000634; NID:g2570350; PID:g2570351; P

C:Superfamily: notch protein; ankyrin repeat homology; EGF homology

Query Match 15.1%; Score 75; DB 2; Length 2531;

Best Local Similarity 29.9%; Pred. No. 9.4;

Matches 23; Conservative 8; Mismatches 32; Indels 14; Gaps 5;

Qy 3 ITGACERDVCGAGTCCAI--SLWRLGRLMC-TPLGREGECHPGSHKVPFRKRKH 60

Db 120 VDNVCKLEEPQNGGTCLRTLSLMDYEC-FCTP-ANTGENTDDNHCV-----SNP 168

Qy 61 CLPNLLCSRFPDGRYRC 77

Db 169 CLNGAVCTSSSDG-YSC 184

RESULT 6

XLHU

colipase precursor [validated] - human

N:Alternate names: procolipase

C:Species: Homo sapiens (man)

C>Date: 04-Dec-1986 #sequence\_revision 19-May-1995 #text\_change 09-Jul-2004

C:Accession: A42568; A33949; A03163

R:Sims, H.F.; Lowe, M.E.

Biochemistry 31, 7120-7125, 1992

A:Title: The human colipase gene: isolation, chromosomal location, and tissue-specific

A:Reference number: A42568; MUID:92353041; PMID:1643046

A:Accession: A42568

A:Molecule type: DNA

A:Residues: 1-112 <SIM>

A:Cross-references: UNIPROT:P04118; UNIPARC:UPI0000127E78; GB:M95529; NID:g180842; PIDN:

A>Note: sequence extracted from NCBI backbone (NCBIN:110576, NCBIN:110578, NCBIP:110580

R:Lowe, M.E.; Rosenblum, J.L.; McEwen, P.; Strauss, A.W.

Biochemistry 29, 823-828, 1990

A:Title: Cloning and characterization of the human colipase cDNA.

A:Reference number: A33949; MUID:90248429; PMID:2337598

A:Accession: A33949

A:Molecule type: mRNA

A:Residues: 1-112 <LOW>

A:Cross-references: UNIPARC:UPI0000127E78; GB:J02883; NID:g180885; PIDN:AAAS2054.1; P

A>Note: evidence of partial N-glycosylation, possibly at Asn-43

R:Sternby, B.; Engstrom, A.; Hellman, U.; Viher, N.H.; Sternby, N.H.; Borgstrom, B.

Biochim. Biophys. Acta 784, 75-80, 1984

A:Title: The primary sequence of human pancreatic colipase.

A:Reference number: A30652; MUID:84104937; PMID:6691986

A:Accession: A03163

A:Molecule type: protein

A:Residues: 23-108 <STE>

A:Cross-references: UNIPARC:UPI0000174141

C:Comment: Colipase, a cofactor of triacylglycerol lipase (EC 3.1.1.3), forms a 1:1 sto

se the enzyme is washed off by bile salts, which are known to have an inhibitory effect

C:Genetics:

A:Gene: GDB:CLPS

A:Cross-references: GDB:127277; OMIM:120105



F:658-697/Domain: EGF homology <EGF>

Query Match 14.4%; Score 71.5; DB 1; Length 1178;  
Best Local Similarity 21.8%; Pred. No. 11;  
Matches 27; Conservative 8; Mismatches 32; Indels 57; Gaps 5;

QY 11 VQCGAGTCCCAISLW-----LRGLRMCTPLRGEGECHPGSHKV-----PF-----50  
DB 457 VTCGVGNITRIRLNSPIPMQGGKNCVNGRGTEKEKCAPCPVNGQWGPSPWSACTVTC 516  
QY 51 ----FRKR-----KHHC-----PCLPNLCSRPDPG 73  
DB 517 GGGIRSRRLNSPEPOYGKPCVGDTKQHDMCNKRDCPDICLNSNCFEGACNSYPDG 576  
QY 74 RYRC 77  
DB 577 SWSG 580

RESULT 9  
Tl3954  
MEGF6 protein - rat  
C;Species: Rattus norvegicus (Norway rat)  
C;Date: 20-Sep-1999 #sequence\_revision 20-Sep-1999 #text\_change 09-Jul-2004  
C;Accession: Tl3954  
R;Nakayama, W.; Nakajima, D.; Nagase, T.; Nomura, N.; Seki, N.; Ohara, O.  
Genomics 51, 27-34, 1998  
A;Title: Identification of high-molecular-weight proteins with multiple EGF-like motifs  
A;Reference number: Z14126; MUID:98360089; PMID:9693030  
A;Accession: Tl3954  
A;Status: preliminary; translated from GB/EMBL/DBJ  
A;Molecule type: mRNA  
A;Residues: 1-1574 <NA>  
A;Cross-references: UNIPROT:O88281; UNIPARC:UPI0000043BEE; EMBL:AB011532; NID:93449293;  
A;Experimental source: strain Sprague-Dawley; brain  
C;Genetics:  
A;Gene: MEGF6

Query Match 14.4%; Score 71.5; DB 2; Length 1574;  
Best Local Similarity 28.4%; Pred. No. 14;  
Matches 23; Conservative 6; Mismatches 31; Indels 21; Gaps 4;

QY 3 ITGAC-----ERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGECHPGSHKVPPFRKRKHH 57  
DB 758 VTGECCLPPGKTGBDCCGAD--CPGRMGLGCQETCPAGEGASCNP-----ETG 804

QY 58 TPCPLPNLCSRPDPGRYCS 78  
DB 805 TCLCLPGFVGRCD---TCS 822

RESULT 10  
Tl3576  
hypothetical protein 52C10.5 - fruit fly (Drosophila melanogaster)  
C;Species: Drosophila melanogaster  
C;Date: 13-Aug-1999 #sequence\_revision 13-Aug-1999 #text\_change 09-Jul-2004  
C;Accession: Tl3576  
R;Benos, P.  
submitted to the EMBL Data Library, February 1999  
A;Description: Sequencing the distal X chromosome of Drosophila melanogaster.  
A;Reference number: Z17690  
A;Accession: Tl3576  
A;Status: preliminary; translated from GB/EMBL/DBJ  
A;Molecule type: DNA  
A;Residues: 1-1854 <BEN>  
A;Cross-references: UNIPROT:O96838; UNIPARC:UPI000008354E; EMBL:AL035311; NID:e1373062;  
C;Genetics:  
A;Cross-references: FlyBase:FBgn0026309  
A;Introns: 4/3; 53/3; 209/3; 962/1; 1632/1; 1686/2; 1739/1; 1793/1  
A;Note: EG:52C10.5

Query Match 14.4%; Score 71.5; DB 2; Length 1854;  
Best Local Similarity 36.4%; Pred. No. 17;

Matches 20; Conservative 6; Mismatches 22; Indels 7; Gaps 3;

QY 37 EGEECHPGSHKVPPFRKRKHHHTCPLPNLCSR-----FPDGRYRCSMDLKNINF 86  
DB 228 KAKECYDCSQKFSTFR-RKHH-CRLCGQIFCSKCCNQQVPMGIIRCDGLKVCNY 280

RESULT 11  
I51909  
collipase precursor - rat  
N;Alternate names: procolipase  
C;Species: Rattus norvegicus (Norway rat)  
C;Date: 26-Jul-1996 #sequence\_revision 26-Jul-1996 #text\_change 09-Jul-2004  
C;Accession: I51909; A34623  
R;Payne, R.M.; Sims, H.F.; Jennens, M.L.; Lowe, M.E.  
Am. J. Physiol. 266, G914-G921, 1994  
A;Title: Rat pancreatic lipase and two related proteins: enzymatic properties and mRNA  
A;Reference number: I51909; MUID:94262798; PMID:8203536  
A;Accession: I51909  
A;Status: preliminary; translated from GB/EMBL/DBJ  
A;Molecule type: mRNA  
A;Residues: 1-112 <PAV>  
A;Cross-references: UNIPROT:P17084; UNIPARC:UPI0000127E7C; GB:M58370; NID:9203504; PIDN:  
R;Wicker, C.; Puigserver, A.  
Biochem. Biophys. Res. Commun. 167, 130-136, 1990  
A;Title: Rat pancreatic collipase mRNA: nucleotide sequence of a cDNA clone and nutritio  
A;Reference number: A34623; MUID:90179738; PMID:2129524  
A;Accession: A34623  
A;Status: preliminary  
A;Molecule type: mRNA  
A;Residues: 1-17, 'V', '19-112 <WIC>  
A;Cross-references: UNIPARC:UPI00001708E5; GB:M33333; NID:9203502; PIDN:AAA0943.1; PID  
C;Superfamily: collipase  
C;Keywords: lipid digestion, lipid hydrolysis; pancreas  
F;1-17/Domain: signal sequence #status predicted <SIG>  
F;18-112/Product: collipase #status predicted <MAR>

Query Match 14.3%; Score 71; DB 2; Length 112;  
Best Local Similarity 31.1%; Pred. No. 1.6;  
Matches 19; Conservative 5; Mismatches 29; Indels 8; Gaps 3;

QY 7 CERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGECHPGSHKVPPFRKRKHHHTCPLPNLL 66  
DB 34 CVNSMQC-KSRCCQHDITL-GIARCTHKAMENSECSPTLYGIYYR-----CPCERGT 85

QY 67 C 67  
DB 86 C 86

RESULT 12  
S34665  
collagen, cuticular - root-knot nematode (Meloidogyne incognita)  
C;Species: Meloidogyne incognita  
C;Date: 13-Jan-1995 #sequence\_revision 13-Jan-1995 #text\_change 09-Jul-2004  
C;Accession: S34665  
R;van der Eycken, W.V.; de Almeida Engler, J.; van Montagu, M.; Gheysen, G.  
submitted to the EMBL Data Library, July 1993  
A;Description: Identification and analysis of a cuticular collagen gene from the plant  
A;Reference number: S34665  
A;Accession: S34665  
A;Status: preliminary  
A;Molecule type: mRNA  
A;Residues: 1-286 <VAN>  
A;Cross-references: UNIPROT:Q25467; UNIPARC:UPI000016BF3F; EMBL:Z24734; NID:g395144; P

Query Match 14.3%; Score 71; DB 2; Length 286;  
Best Local Similarity 40.5%; Pred. No. 3.7;  
Matches 15; Conservative 2; Mismatches 20; Indels 0; Gaps 0;

QY 33 PLRGEGECHPGSHKVPPFRKRKHHHTCPLPNLLCSR 69  
DB 234 PSGKPGAPGQPGPHGPPGQDQAQYCFPCPPRSLCSR 270

A:Introns: 46/3; 88/3; 117/1; 154/3; 200/1; 236/3; 279/1; 311/3; 393/3; 471/3; 548/3  
 C:Keywords: glycoprotein; tandem repeat  
 F:1-17/Domain: signal sequence #status predicted <SIG>  
 F:18-593/Product: granulin #status predicted <MAT>  
 F:18-593/Product: granulin #status predicted <PRO>  
 F:18-44/Product: paragrulin #status experimental <PGR>  
 F:58-113/Product: granulin G #status predicted <GRG>  
 F:123-179/Product: granulin F #status predicted <GRF>  
 F:206-261/Product: granulin B #status experimental <GRB>  
 F:281-336/Product: granulin A #status experimental <GRA>  
 F:364-417/Product: granulin C #status experimental <GRC>  
 F:442-496/Product: granulin D #status predicted <GRD>  
 F:518-573/Product: granulin E #status predicted <GRE>  
 F:568/Binding site: carbohydrate (Asn) (covalent) #status experimental

Query Match 14.3%; Score 71; DB 1; Length 593;  
 Best Local Similarity 24.2%; Pred. No. 7;  
 Matches 22; Conservative 6; Mismatches 29; Indels 34; Gaps 5;

QY 5 GACERDVCGAGTCCAISLWRLGRLMCTPLRGEGECHPGSHKVPFRKRKHHTCPCLPN 64  
 Db 59 GPCQVDAHCSAGHSCTFT--VSGTSSCCPF-PEAVACGDG-----HHCCE--RG 102  
 QY 65 LLCS-----RFPDGRYC 77  
 Db 103 FHCSADGRSCFORSGNNSVGAIQCPDSQPEC 133

RESULT 14  
 I48141  
 acrogranin - guinea pig (fragment)  
 C:Species: Cavia porcellus (guinea pig)  
 C:Date: 02-Jul-1996 #sequence\_revision 02-Jul-1996 #text\_change 09-Jul-2004  
 C:Accession: I48141  
 R:Baba, T.; Hoff, H.B.  
 Mol. Reprod. Dev. 34, 233-243, 1993  
 A:Title: Acrogranin, an acrosomal cysteine-rich glycoprotein, is the precursor of the  
 A:Reference number: I48141; MUID:93228994; PMID:8471244  
 A:Accession: I48141  
 A:Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: mRNA  
 A:Residues: 1-591 <RES>  
 A:Cross-references: UNIPROT:P28797; UNIPARC:UPI00012BAAE; GB:M86735; NID:g191234; PID:  
 C:Superfamily: granulin

Query Match 14.2%; Score 70.5; DB 2; Length 591;  
 Best Local Similarity 19.8%; Pred. No. 7.8;  
 Matches 24; Conservative 12; Mismatches 32; Indels 53; Gaps 5;

QY 7 CERDVQCGAG-TCCAISLWRLGRLMCTPLGR-----EGECHPGSH 46  
 Db 283 CDQEVSCPEGQTCCRLQ--SKWGCCPPKAVCCEDHVHCCPERFRCHTEKDTCEQGLL 339  
 QY 47 KVPFRK-----RKHTC-----PCLPNLLCSRFPDGRYR 76  
 Db 340 QVFWAKTPAQPSRPSQSPGPPGPPGPPGLRSEISCDVSVCKRPGNICCKLASGEWG 399  
 QY 77 C 77  
 Db 400 C 400

RESULT 15  
 T16840  
 hypothetical protein T10E10.4 - Caenorhabditis elegans  
 C:Species: Caenorhabditis elegans  
 C:Date: 20-Sep-1999 #sequence\_revision 20-Sep-1999 #text\_change 09-Jul-2004  
 C:Accession: T16840  
 R:Geisel, C.  
 submitted to the EMBL Data Library, October 1995  
 A:Description: The sequence of C. elegans cosmid T10E10.  
 A:Reference number: Z18588  
 A:Accession: T16840

RESULT 13  
 GHU  
 granulin precursor [validated] - human  
 N:Alternate names: epithelin  
 N:Contains: granulin A; granulin B; granulin C; granulin D; granulin E; granulin F; gran  
 C:Species: Homo sapiens (man)  
 C:Date: 30-Sep-1992 #sequence\_revision 03-May-1996 #text\_change 31-Dec-2004  
 C:Accession: JCI284; A38128; A36698; B36698; C36698; D36698; A56873  
 R:Bhandari, V.; Bateman, A.  
 Biochem. Biophys. Res. Commun. 188, 57-63, 1992  
 A:Title: Structure and chromosomal location of the human granulin gene.  
 A:Reference number: JCI284; MUID:93038704; PMID:1417868  
 A:Accession: JCI284  
 A:Molecule type: DNA  
 A:Residues: 1-593 <BHA>  
 A:Cross-references: UNIPROT:P28799; UNIPROT:Q9UCH0; UNIPARC:UPI00000015E0  
 R:Plozman, G.D.; Green, J.M.; Neubauer, M.G.; Buckley, S.D.; McDonald, V.L.; Todaro, G.J  
 J. Biol. Chem. 267, 13073-13078, 1992  
 A:Title: The epithelin precursor encodes two proteins with opposing activities on epithe  
 A:Reference number: A38128; MUID:92317004; PMID:1618805  
 A:Accession: A38128  
 A:Status: preliminary  
 A:Molecule type: mRNA  
 A:Residues: 1-593 <PLO>  
 A:Cross-references: UNIPARC:UPI00000015E0; GB:X62320; NID:g311192; PIDN:CAA44196.1; PID:g  
 R:Bhandari, V.; Palfree, R.G.E.; Bateman, A.  
 Proc. Natl. Acad. Sci. U.S.A. 89, 1715-1719, 1992  
 A:Title: Isolation and sequence of the granulin precursor cDNA from human bone marrow re  
 A:Reference number: A38118; MUID:92179253; PMID:1542665  
 A:Accession: A38118  
 A:Molecule type: mRNA  
 A:Residues: 1-406,'R',408-433,'G',435-453,'G',455-459,'Q',461-546,'A',548-566,'R',568-59  
 A:Cross-references: UNIPARC:UPI0000151BFF; GB:M75161; NID:g183612; PIDN:AAA58617.1; PID:  
 A:Note: this sequence has been revised in reference JCI284  
 R:Bateman, A.; Belcourt, D.; Bennett, H.; Lazure, C.; Solomon, S.  
 Biochem. Biophys. Res. Commun. 173, 1161-1168, 1990  
 A:Title: Granulins, a novel class of peptide from leukocytes.  
 A:Reference number: A36698; MUID:91097544; PMID:2268320  
 A:Accession: A36698  
 A:Molecule type: protein  
 A:Residues: 281-336 <BAT>  
 A:Cross-references: UNIPARC:UPI00001744F2  
 A:Note: this protein was purified and characterized as granulin A  
 A:Accession: B36698  
 A:Molecule type: protein  
 A:Residues: 206-218,'H',220-233 <BA2>  
 A:Cross-references: UNIPARC:UPI00001744F3  
 A:Note: this protein was purified and characterized as granulin B  
 A:Accession: C36698  
 A:Molecule type: protein  
 A:Residues: 364-367,'X',369-385,'H',387-396 <BA3>  
 A:Cross-references: UNIPARC:UPI00001744F4  
 A:Note: this protein was purified and characterized as granulin C  
 A:Accession: B36698  
 A:Molecule type: protein  
 A:Residues: 442-446,'XDTSS',456-458,'DQ', <BA4>  
 A:Cross-references: UNIPARC:UPI00001744F5  
 R:Kardana, A.; Bagshawe, K.D.; Coles, B.; Read, D.; Taylor, M.  
 Br. J. Cancer 67, 686-692, 1993  
 A:Title: Characterisation of UGP and its relationship with beta-core fragment.  
 A:Reference number: A56873; MUID:93229246; PMID:8471426  
 A:Accession: A56873  
 A:Molecule type: protein  
 A:Residues: 281-283,'X',285-289,'S',291-295 <KAR>  
 A:Cross-references: UNIPARC:UPI0000070B1B  
 A:Experimental source: urine  
 A:Note: sequence extracted from NCBI backbone (NCBIP:129524)  
 C:Genetics:  
 A:Gene: GDB:GRN  
 A:Cross-references: GDB:136006; OMIM:138945  
 A:Map position: 17pter-17qter

A;Status: preliminary; translated from GE/EMBL/DBJ  
A;Molecule type: DNA  
A;Residues: 1-1101 <GEI>  
A;Cross-references: UNIPROT.Q22378; UNIPARC.UPI000017BB8F; EMBL.U39644; NID:G10493339; PI  
A;Experimental source: strain Bristol N2  
C;Genetics:  
A;Gene: CESP:T10E10.4  
A;Introns: 93/2; 152/2; 191/3; 209/2; 283/3; 303/1; 399/3; 421/1; 440/1; 465/1; 547/3; 7  
Query Match 14.2%; Score 70.5; DB 2; Length 1101;  
Best Local Similarity 22.9%; Pred. No. 13;  
Matches 27; Conservative 6; Mismatches 36; Indels 49; Gaps 5;  
QY 7 CERDVQCGAGTCCAISLWLRG-----LRMCTPLGR-- 36  
DB 761 CPPGNQCENGVCCEPMCMCSSGSTASSVCGMANSCPIGYICEGRCCCLEPLPLCENGGRAS 820  
QY 37 -----EGEECHPG-----SHKVPFFFRKRKHHTCPCLPNLLCSRFPDGRYRCSM 79  
DB 821 MRCYRGAECPGYGCTPLGGCCLLSMEPVCFTRSNVAVCQSPNNVC---PSGA-SCTM 874

Search completed: November 29, 2007, 17:19:47  
Job time : 19.6073 secs

OM protein - protein search, using sw model  
Run on: November 29, 2007, 17:14:38 ; Search time 358 Seconds  
(without alignments)  
143.348 Million cell updates/sec

Title: US-10-692-299-2

Perfect score: 589

Sequence: 1 MRGATRVSIMLLLVTVSDCA.....CSRFPGRYRCMDLKNINF 105

Scoring table: BLOSUM62

Gapop 10.0 ; Gapext 0.5

2782304 seq, 48933398 residues

2782304 seq, 48933398 residues

Maximum number of hits satisfying chosen parameters: 2782304

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database : A\_Geneseq\_200701.\*

1: Geneseqp1980s.\*

2: Geneseqp1990s.\*

3: Geneseqp2000s.\*

4: Geneseqp2001s.\*

5: Geneseqp2002s.\*

6: Geneseqp2003as.\*

7: Geneseqp2003bs.\*

8: Geneseqp2004s.\*

11: Geneseqp2007s.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

No. Score Match Length DB ID Description

RESULT 1

ID AAV6745 standard; protein; 105 AA.

DE Membrane-bound protein PRO1186.

PN WO9963088-A2.

PD 09-DEC-1999.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 589; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 2

ID AAB18453 standard; protein; 105 AA.

DE A human TANGO 266 polypeptide.

PN WO200052022-A1.

PD 08-SEP-2000.

PA (MILL-) MILLENNIUM PHARM INC.

Query Match 100.0%; Score 589; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 3

ID AAB70148 standard; protein; 105 AA.

DE Human G protein-coupled receptor protein-related sequence #4.

PN WO200116309-A1.

PD 08-MAR-2001.

PA (TAKE ) TAKEDA CHEM IND LTD.

Query Match 100.0%; Score 589; DB 4; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 4

ID AAB68427 standard; protein; 105 AA.

DE Amino acid sequence of a human Zven2 polypeptide.

PN WO200136465-A2.

PD 25-MAY-2001.

PA (ZYMO ) ZYMOGENETICS INC.

Query Match 100.0%; Score 589; DB 4; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 5

ID AAU12406 standard; protein; 105 AA.

DE Human PRO1186 polypeptide sequence.

PN WO200140466-A2.

PD 07-JUN-2001.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 589; DB 4; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 6

ID AAB53096 standard; protein; 105 AA.

DE Human prokineticin 1 precursor protein.

Query Match 100.0%; Score 589; DB 5; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 7

ID AAB65268 standard; protein; 105 AA.

DE Human PRO1186 (UNQ600) protein sequence SEQ ID NO:371.

PN WO200073454-A1.

PD 07-DEC-2000.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 589; DB 4; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 8

ID AAB48175 standard; protein; 105 AA.

DE Human PRO1186 polypeptide.

PN WO200075327-A1.

PD 14-DEC-2000.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 589; DB 4; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 9

ID AAB48067 standard; protein; 105 AA.

DE Human extracellular signaling molecule (EXCS) (ID 2006548CD1).

PN WO200070049-A2.

PD 23-NOV-2000.

PA (INCY-) INCYTE GENOMICS INC.

Query Match 100.0%; Score 589; DB 4; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 10

ID AAM50773 standard; protein; 105 AA.

DE Endocrine gland-derived vascular endothelial growth factor.

PN WO200200711-A2.

PD 03-JAN-2002.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 589; DB 5; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 11

ID AAU83674 standard; protein; 105 AA.

DE Human PRO protein, Seq ID No 166.

PN WO200208288-A2.

PD 31-JAN-2002.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 589; DB 5; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 12

ID ABB4902 standard; protein; 105 AA.

DE Human PRO1186 protein sequence SEQ ID NO:172.

PN WO200200690-A2.

PD 03-JAN-2002.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 589; DB 5; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 13

ID AAO15527 standard; protein; 105 AA.

DE Human physiologically-active ZAQ ligand-related protein 3.

PN WO200257443-A1.

PD 25-JUL-2002.

PA (TAKE ) TAKEDA CHEM IND LTD.

Query Match 100.0%; Score 589; DB 5; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 14

ID ABB06308 standard; protein; 105 AA.

DE Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:23.

PN WO200206483-A1.

PD 24-JAN-2002.

PA (TAKE ) TAKEDA CHEM IND LTD.

Query Match 100.0%; Score 589; DB 5; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 15

ID AAE24382 standard; protein; 105 AA.

DE Human prokineticin 1 precursor protein.

Query Match 100.0%; Score 589; DB 5; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;

Fri Nov 30 07:56:31 2007

us-10-692-299-2.spdi.rag.spdi

```

PN WO200236625-A2.
PD 10-MAY-2002.
PA (REGC) UNIV CALIFORNIA.
 Query Match 100.0%; Score 589; DB 5; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 16
ID ABB9508 standard; protein; 105 AA.
DE Human angiogenesis related protein PRO1186 SEQ ID NO: 172.
PN WO200208284-A2.
PD 31-JAN-2002.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 17
ID ADY31906 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN WO200193983-A1.
PD 13-DEC-2001.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 5; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 18
ID ABUS8083 standard; protein; 105 AA.
DE Human PRO polypeptide #115.
PN US200302163-A1.
PD 06-FEB-2003.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 19
ID ABUS9161 standard; protein; 105 AA.
DE Novel human secreted or transmembrane protein PRO1186.
PN US2002132252-A1.
PD 19-SEP-2002.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 20
ID ABUS2673 standard; protein; 105 AA.
DE Human secreted/transmembrane protein PRO1186.
PN US2003030203-A1.
PD 13-FEB-2003.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 21
ID AB017850 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003032156-A1.
PD 13-FEB-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 22
ID ABUS0592 standard; protein; 105 AA.
DE Human secreted/transmembrane protein, #151.
PN US2002160384-A1.
PD 31-OCT-2002.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 23
ID ARU80821 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003036635-A1.
PD 20-FEB-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 24
ID ABO33787 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003045687-A1.
PD 06-MAR-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 25
ID ABU13974 standard; protein; 105 AA.
DE Human PRO1186 polypeptide.
PN US2002103125-A1.
PD 01-AUG-2002.
PA (GETH) GENENTECH LTD.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 26
ID ABUS8800 standard; protein; 105 AA.
DE Human endocrine gland-derived vascular endothelial growth factor.
PN US2002192634-A1.
PD 19-DEC-2002.
PA (PERR/) FERRARA N.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 27
ID ABUS81104 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003004311-A1.
PD 02-JAN-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 28
ID ABUS7603 standard; protein; 105 AA.
DE Human ZVEN2.
PN US6485938-B1.
PD 26-NOV-2002.
PA (ZYMO) ZYMOGENETICS INC.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 29
ID ABUS72559 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003003531-A1.
PD 02-JAN-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 30
ID ABUS66804 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003036180-A1.
PD 20-FEB-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 31
ID ABUS9885 standard; protein; 105 AA.
DE Novel secreted and transmembrane protein PRO1186.
PN US2003017563-A1.
PD 23-JAN-2003.

```



PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 32  
 ID ABU59308 standard; protein; 105 AA.  
 DE Human secreted/transmembrane protein, #151.  
 PN US2003027162-A1.  
 PD 06-FEB-2003.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 33  
 ID ABO26005 standard; protein; 105 AA.  
 DE Human PRO1186 polypeptide.  
 PN US2002127576-A1.  
 PD 12-SEP-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 34  
 ID ABO25075 standard; protein; 105 AA.  
 DE Human secreted/transmembrane protein (PRO) #235.  
 PN US2003036179-A1.  
 PD 20-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 35  
 ID ABU82130 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003088063-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 36  
 ID ABU59014 standard; protein; 105 AA.  
 DE Human secreted/transmembrane protein, #151.  
 PN US2002142961-A1.  
 PD 03-OCT-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 37  
 ID ABU92392 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003022187-A1.  
 PD 30-JAN-2003.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 38  
 ID ABU59457 standard; protein; 105 AA.  
 DE Novel human secreted or transmembrane protein PRO1198.  
 PN US2003027985-A1.  
 PD 06-FEB-2003.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 39  
 ID ABU67080 standard; protein; 105 AA.  
 DE Human secreted/transmembrane, PRO, protein SEQ ID 470.  
 PN US2003032155-A1.  
 PD 13-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 40  
 ID ABU92223 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003017476-A1.  
 PD 23-JAN-2003.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 41  
 ID ABU10929 standard; protein; 105 AA.

DE Human PRO polypeptide #115.  
 PN US2002123463-A1.  
 PD 05-SEP-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 42  
 ID ABU81681 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2002177164-A1.  
 PD 28-NOV-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 43  
 ID ABU88620 standard; protein; 105 AA.  
 DE Human secreted and transmembrane polypeptide PRO1186.  
 PN US2002197615-A1.  
 PD 26-DEC-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 44  
 ID ABO34134 standard; protein; 105 AA.  
 DE Human PRO1186 polypeptide.  
 PN US2003017981-A1.  
 PD 23-JAN-2003.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 45  
 ID ADA45989 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003023238-A1.  
 PD 30-JAN-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 46  
 ID ADA76420 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003073212-A1.  
 PD 17-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 47  
 ID ABU72310 standard; protein; 105 AA.  
 DE Human PRO1186 protein.  
 PN US2003050448-A1.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 48  
 ID ADA19070 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003054517-A1.  
 PD 20-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 49  
 ID ADA61693 standard; protein; 105 AA.  
 DE Homo sapiens.  
 PN US2003049816-A1.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 50  
 ID ADB19478 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003068796-A1.

PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 51  
ID ADB28019 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082704-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 52  
ID ADA86498 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082711-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 53  
ID ADB16062 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003087350-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 54  
ID ADA37882 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003082997-A1.  
PD 09-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 55  
ID ADA47848 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073215-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 56  
ID ADA21568 standard; protein; 105 AA.  
DE Human secreted/transmembrane polypeptide PRO1186.  
PN US2003054404-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 57  
ID ADA10355 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein, PRO1186.  
PN US2003059831-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 58  
ID ADA67643 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068795-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 59  
ID ADB30650 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068794-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 60  
ID ADA85946 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082693-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 61  
ID ADA17899 standard; protein; 105 AA.  
DE Human PRO1186 polypeptide.  
PN US2003054987-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 62  
ID ADA97158 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082705-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 63  
ID ADA79462 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082763-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 64  
ID ADA87601 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087345-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 65  
ID ADB16803 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003087349-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 66  
ID ADA28007 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003054359-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 67  
ID ADA91895 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082694-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 68  
ID ADB14958 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003087351-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 69  
ID ADB18919 standard; protein; 105 AA.

DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003073211-A1.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 70  
ID ADA94134 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077722-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 71  
ID ADB20030 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082691-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 72  
ID ADB13342 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082710-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 73  
ID ABO43383 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003044945-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 74  
ID ADA94587 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003059832-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 75  
ID ADA74596 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068798-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 76  
ID ADB24829 standard; protein; 105 AA.  
DE Human PRO polypeptide SEQ ID NO 470.  
PN US2003077713-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 77  
ID ADA82353 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082701-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 78  
ID ADA75316 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073216-A1.

PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 79  
ID ADA85394 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082895-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 80  
ID ADA84842 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082708-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 81  
ID ADB30098 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073214-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 82  
ID ADA80626 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082761-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 83  
ID ADA75868 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082703-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 84  
ID ADA38812 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003059780-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 85  
ID ADA47093 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073210-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 86  
ID ADB25389 standard; protein; 105 AA.  
DE Human PRO polypeptide SEQ ID NO 470.  
PN US2003077715-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
RESULT 87  
ID ADA93565 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077721-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 88  
ID ADB26915 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003092147-A1.  
PD 15-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 89  
ID ADB31202 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003096386-A1.  
PD 22-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 90  
ID ABJ72438 standard; protein; 105 AA.  
DE Human PRO1186 protein.  
PN US2003027988-A1.  
PD 06-FEB-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 91  
ID ADA92933 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003060407-A1.  
PD 27-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 92  
ID ADA61130 standard; protein; 105 AA.  
DE Homo sapiens.  
PN US2003049817-A1.  
PD 13-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 93  
ID ADB24277 standard; protein; 105 AA.  
DE Human PRO polypeptide SEQ ID NO 470.  
PN US2003077714-A1.  
PD 24-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 94  
ID ADA96606 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082690-A1.  
PD 01-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 95  
ID ADA81178 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082702-A1.  
PD 01-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 96  
ID ADA96054 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082759-A1.  
PD 01-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 97  
ID ADB26363 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082760-A1.  
PD 01-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 98  
ID ADB21848 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082765-A1.  
PD 01-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 99  
ID ABO34333 standard; protein; 105 AA.  
DE Human secreted/transmembrane polypeptide PRO 1186.  
PN US2003044934-A1.  
PD 06-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 100  
ID ADA77627 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068797-A1.  
PD 10-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 101  
ID ADB18367 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077710-A1.  
PD 24-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 102  
ID ADA87050 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082709-A1.  
PD 01-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 103  
ID ADA88153 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082700-A1.  
PD 01-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 104  
ID ADA66541 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003054516-A1.  
PD 20-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 105  
ID ADB28571 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082699-A1.  
PD 01-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 106  
ID ADB28571 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082699-A1.  
PD 01-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;

ID ADB29123 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082706-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 107  
ID ABO53220 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003044806-A1.  
PD 06-MAR-2003.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 108  
ID ADA77075 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003059909-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 109  
ID ADA22494 standard; protein; 105 AA.  
DE Human secreted/transmembrane polypeptide PRO1186.  
PN US2003040473-A1.  
PD 27-FEB-2003.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 110  
ID ADA88705 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003073213-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 111  
ID ADA97710 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082686-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 112  
ID ADB27467 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003022239-A1.  
PD 30-JAN-2003.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 113  
ID ADB22400 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087344-A1.  
PD 08-MAY-2003.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 114  
ID ABO22590 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003017982-A1.  
PD 23-JAN-2003.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 115  
ID ADA06660 standard; protein; 105 AA.  
DE Human secreted/transmembrane PRO polypeptide #115.  
PN US2003049638-A1.  
PD 13-MAR-2003.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 116  
ID ABJ72140 standard; protein; 105 AA.  
DE Human membrane bound receptor/protein PRO1186 amino acid sequence.  
PN US2003065147-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 117  
ID ADA39353 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003059782-A1.  
PD 27-MAR-2003.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 118  
ID ADA67091 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068793-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 119  
ID ADB22952 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077711-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 120  
ID ADB23725 standard; protein; 105 AA.  
DE Human PRO polypeptide SEQ ID NO 470.  
PN US2003077712-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 121  
ID ADA92447 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082712-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 122  
ID ADB15510 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003087352-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 123  
ID ADB83656 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003073814-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 124  
ID ADB80762 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003088068-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 125  
ID ADB73303 standard; protein; 105 AA.

Fri Nov 30 07:56:31 2007

DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096968-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 126  
ID ADB38762 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082766-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 127  
ID ADB96379 standard; protein; 105 AA.  
DE Human PRO polypeptide #115.  
PN US2003054403-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 128  
ID ADB78385 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003092889-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 129  
ID ADB38210 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087347-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 130  
ID ADB66682 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082689-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 131  
ID ADB85033 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003073817-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 132  
ID ADB89762 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082698-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 133  
ID ADB90494 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082762-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 134  
ID ADB39595 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082764-A1.

PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 135  
ID ADB78139 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003092886-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 136  
ID ADB87205 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003088067-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 137  
ID ADB84787 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003092890-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 138  
ID ADB47218 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082687-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 139  
ID ADB83902 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003069397-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 140  
ID ADB86825 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082697-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 141  
ID ADB73057 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003092887-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 142  
ID ADB77430 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082696-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 143  
ID ADB34587 standard; protein; 105 AA.  
DE Human PRO polypeptide SEQ ID NO 470.  
PN US200307717-A1.  
PD 24-APR-2003.

PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 144  
 ID ADB35691 standard; protein; 105 AA.  
 DE Human PRO polypeptide SEQ ID NO 470.  
 PN US2003077719-A1.  
 PD 24-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 145  
 ID ADB34035 standard; protein; 105 AA.  
 DE Human PRO polypeptide SEQ ID NO 470.  
 PN US2003077716-A1.  
 PD 24-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 146  
 ID ADB35139 standard; protein; 105 AA.  
 DE Human PRO polypeptide SEQ ID NO 470.  
 PN US2003077718-A1.  
 PD 24-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 147  
 ID ADB36243 standard; protein; 105 AA.  
 DE Human PRO polypeptide SEQ ID NO 470.  
 PN US2003077720-A1.  
 PD 24-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 148  
 ID ADB46638 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003082692-A1.  
 PD 01-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 149  
 ID ADC57851 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003027754-A1.  
 PD 06-FEB-2003.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 150  
 ID ADC55215 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003045463-A1.  
 PD 06-MAR-2003.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 151  
 ID ADC12082 standard; protein; 105 AA.  
 DE Human secreted/transmembrane protein PRO1186.  
 PN US2003049681-A1.  
 PD 13-MAR-2003.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 152  
 ID ADC56504 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003064375-A1.  
 PD 03-APR-2003.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 153  
 ID ADC07559 standard; protein; 105 AA.

DE Human secreted/transmembrane protein PRO1186.  
 PN US2003068447-A1.  
 PD 10-APR-2003.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 154  
 ID ADC11549 standard; protein; 105 AA.  
 DE Human secreted/transmembrane protein PRO1186.  
 PN US2003069403-A1.  
 PD 10-APR-2003.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 155  
 ID ADC36895 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US200308065-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 156  
 ID ADC21885 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003096969-A1.  
 PD 22-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 157  
 ID ADC50511 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003092106-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 158  
 ID ADC72058 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003092107-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 159  
 ID ADC60037 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003092105-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 160  
 ID ADC49916 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003088064-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 161  
 ID ADC49115 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003088070-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 162  
 ID ADC49632 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003088071-A1.  
 PD 08-MAY-2003.



```
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 163
ID ADC47493 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003088072-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 164
ID ADC53044 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein Seq ID470.
PN US2003087365-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 165
ID ADC57398 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein Seq ID470.
PN US2003087366-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 166
ID ADC60589 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003087367-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 167
ID ADC51064 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003087361-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 168
ID ADC65591 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003087362-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 169
ID ADC54689 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein Seq ID470.
PN US2003087363-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 170
ID ADC53650 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein Seq ID470.
PN US2003087364-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 171
ID ADC59173 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein Seq ID470.
PN US2003087359-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 172
ID ADC56051 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein Seq ID470.
PN US2003087360-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 173
ID ADC58621 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein Seq ID470.
PN US2003087346-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 174
ID ADC14671 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003082546-A1.
PD 01-MAY-2003.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 175
ID ADC47238 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003105288-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 176
ID ADD08203 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003068623-A1.
PD 10-APR-2003.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 177
ID ADD03295 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003092104-A1.
PD 15-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 178
ID ADC90287 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003087348-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 179
ID ADC82028 standard; protein; 105 AA.
DE Human PRO polypeptide #115.
PN US2003083461-A1.
PD 01-MAY-2003.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 180
ID ADC69706 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003194770-A1.
PD 16-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 181
ID ADC48595 standard; protein; 105 AA.
```

DE Human PRO polypeptide #235.  
 PN US2003194773-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 182  
 ID ADD10124 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194776-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 183  
 ID ADD07670 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2002193299-A1.  
 PD 19-DEC-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 184  
 ID ADC78113 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003096972-A1.  
 PD 22-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 185  
 ID ADD04699 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003087354-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 186  
 ID ADC82561 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003059833-A1.  
 PD 27-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 187  
 ID ADD06348 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003073816-A1.  
 PD 17-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 188  
 ID ADC80655 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003092103-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 189  
 ID ADD11162 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194774-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 190  
 ID ADD10461 standard; protein; 105 AA.  
 DE Human secreted/transmembrane PRO polypeptide #86.  
 PN US2003105011-A1.

PD 05-JUN-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 191  
 ID ADC48043 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194771-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 192  
 ID ADD08741 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003073090-A1.  
 PD 17-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 193  
 ID ADC77867 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003088066-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 194  
 ID ADC80103 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003087358-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 195  
 ID ADD06990 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2002193300-A1.  
 PD 19-DEC-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 196  
 ID ADD11421 standard; protein; 105 AA.  
 DE Human secreted/transmembrane PRO polypeptide #86.  
 PN US2003105013-A1.  
 PD 05-JUN-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 197  
 ID ADD09572 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194775-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 198  
 ID ADC83237 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003059783-A1.  
 PD 27-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 199  
 ID ADD50830 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003105291-A1.  
 PD 05-JUN-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 200  
 ID ADD0461 standard; protein; 105 AA.  
 DE Human secreted/transmembrane PRO polypeptide #86.  
 PN US2003105011-A1.

Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 200  
 ID ADD41285 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003203438-A1.  
 PD 30-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 201  
 ID ADD52424 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194769-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 202  
 ID ADD51076 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003105290-A1.  
 PD 05-JUN-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 203  
 ID ADD53164 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194792-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 204  
 ID ADD53716 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003203437-A1.  
 PD 30-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 205  
 ID ADD55344 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003077593-A1.  
 PD 24-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 206  
 ID ADD69106 standard; protein; 105 AA.  
 DE Human ZAQ-related protein - SEQ ID 84.  
 PN WO2003066860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 207  
 ID ADD37214 standard; protein; 105 AA.  
 DE Human secreted/transmembrane PRO polypeptide #86.  
 PN US2003105012-A1.  
 PD 05-JUN-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 208  
 ID ADD56302 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003077594-A1.  
 PD 24-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 209  
 ID ADD51872 standard; protein; 105 AA.

DE Human PRO polypeptide #235.  
 PN US2003194779-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 210  
 ID ADD02671 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003203431-A1.  
 PD 30-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 211  
 ID ADD50557 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003096971-A1.  
 PD 22-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 212  
 ID ADD02105 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003203430-A1.  
 PD 30-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 213  
 ID ADD54287 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003203432-A1.  
 PD 30-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 214  
 ID ADD54740 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2002132253-A1.  
 PD 19-SEP-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 215  
 ID ADD50311 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003096970-A1.  
 PD 22-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 216  
 ID ADD51322 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003105289-A1.  
 PD 05-JUN-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 217  
 ID ADD92604 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003199030-A1.  
 PD 23-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 218  
 ID ADD91500 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.

PA US2003199055-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 219  
ID ADE04114 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199057-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 220  
ID ADE26894 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087304-A1.  
PD 08-MAY-2003.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 221  
ID ADE32411 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003194765-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 222  
ID ADE22343 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199056-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 223  
ID ADD79567 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003203428-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 224  
ID ADE42103 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194772-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 225  
ID ADE17920 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199023-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 226  
ID ADD92052 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199053-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 227  
ID ADE33515 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003194767-A1.  
PD 16-OCT-2003.

PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 228  
ID ADE34067 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003194791-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 229  
ID ADB00119 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207417-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 230  
ID ADD93156 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194768-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 231  
ID ADE19576 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199025-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 232  
ID ADE19024 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199026-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 233  
ID ADE43220 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199033-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 234  
ID ADD96009 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199059-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 235  
ID ADE22895 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199064-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 236  
ID ADD79013 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003203429-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 237  
 ID ADE26361 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003087305-A1.  
 PD 08-MAY-2003.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 238  
 ID ADE32963 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003194766-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 239  
 ID ADE42655 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003199032-A1.  
 PD 23-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 240  
 ID ADD80671 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003207418-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 241  
 ID ADD89699 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003199028-A1.  
 PD 23-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 242  
 ID ADE40983 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003199031-A1.  
 PD 23-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 243  
 ID ADE04782 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003199034-A1.  
 PD 23-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 244  
 ID ADE92911 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194777-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 245  
 ID ADE67298 standard; protein; 105 AA.  
 DE Human PRO1186 amino acid sequence SEQ ID NO:371.  
 PN US2002198148-A1.  
 PD 26-DEC-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 246  
 ID ADF28070 standard; protein; 105 AA.  
 DE Human Zven 2.  
 PN US2003148317-A1.  
 PD 07-AUG-2003.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 247  
 ID ADG21620 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003207355-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 248  
 ID ADG23261 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003207384-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 249  
 ID ADP97596 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003207370-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 250  
 ID ABG75089 standard; protein; 105 AA.  
 DE Prokineticin 1 (PROK1).  
 PN WO2003083073-A2.  
 PD 09-OCT-2003.  
 PA (FARB ) BAYER PHARM CORP.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 251  
 ID ABG75086 standard; protein; 105 AA.  
 DE Human prokineticin 1 (PROK1).  
 PN WO2003083073-A2.  
 PD 09-OCT-2003.  
 PA (FARB ) BAYER PHARM CORP.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 252  
 ID ADG80660 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003207373-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 253  
 ID ADG80108 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003207372-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 254  
 ID ADH54400 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003207381-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 255

ID ADH5952 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030207379-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 256  
 ID ADI3552 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003050457-A1.  
 PD 13-MAR-2003.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 257  
 ID ADI64171 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030207385-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 258  
 ID ADI65120 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030207386-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 259  
 ID ADI63619 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030207387-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 260  
 ID ADH82033 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030207388-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 261  
 ID ADI00045 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003049682-A1.  
 PD 13-MAR-2003.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 262  
 ID ADH81481 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030207377-A1.  
 PD 06-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 263  
 ID ADU71810 standard; protein; 105 AA.  
 DE Human prokineticin 1 protein.  
 PN WO2003040326-A2.  
 PD 15-MAY-2003.  
 PA (HYSE-) HYSEQ INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 264  
 ID ADW82650 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030807355-A1.

PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 265  
 ID ADN16049 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030807353-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 266  
 ID ADN16678 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030807385-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 267  
 ID ADN15497 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030807356-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 268  
 ID ADN14945 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US20030807357-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 7; Length 105;  
 RESULT 269  
 ID ADC48869 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003092888-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
 RESULT 270  
 ID ADC81207 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003092115-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
 RESULT 271  
 ID ADE21040 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003100735-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
 RESULT 272  
 ID ADE05884 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003100728-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
 RESULT 273  
 ID ADD76655 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003100087-A1.  
 PD 29-MAY-2003.

PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 274  
 ID ADD75113 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003100712-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 275  
 ID ADD75859 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003100717-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 276  
 ID ADD85091 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003100722-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 277  
 ID ADD86917 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003100738-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 278  
 ID ADE20794 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003100734-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 279  
 ID ADE39091 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003096362-A1.  
 PD 22-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 280  
 ID ADH88019 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003092113-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 281  
 ID ADH86423 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003203440-A1.  
 PD 30-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 282  
 ID ADH05638 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003100727-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 283  
 ID ADD73623 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003100711-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 284  
 ID ADE75971 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003211571-A1.  
 PD 13-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 285  
 ID ADD78463 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003100737-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 286  
 ID ADE41422 standard; protein; 105 AA.  
 DE Human secreted/transmembrane PRO polypeptide #86.  
 PN US2003100497-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 287  
 ID ADE23447 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003092108-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 288  
 ID ADE21286 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003100736-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 289  
 ID ADD77401 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003100732-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 290  
 ID ADE20548 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003100733-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 291  
 ID ADD75613 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003100064-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 292  
 ID ADD75613 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003100064-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 589; DB 8; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
 RESULT 293  
 ID ADD75613 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003100064-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.



Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 292  
ID ADD74129 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003100708-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 293  
ID ADD74375 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003100709-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 294  
ID ADD76105 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003100718-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 295  
ID ADD85597 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003100721-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 296  
ID ADE23999 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003092110-A1.  
PD 15-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 297  
ID ADE24642 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003092111-A1.  
PD 15-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 298  
ID ADD87467 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003203439-A1.  
PD 30-OCT-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 299  
ID ADE05146 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003100726-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 300  
ID ADD75359 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003100714-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;

RESULT 301  
ID ADD76903 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003100715-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 302  
ID ADD86671 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003100719-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 303  
ID ADE89333 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199062-A1.  
PD 23-OCT-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 304  
ID ADD78139 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003100731-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 305  
ID ADE18472 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194794-A1.  
PD 16-OCT-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 306  
ID ADE88781 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199054-A1.  
PD 23-OCT-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 307  
ID ADD77647 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003100729-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 308  
ID ADD77893 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003100730-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 309  
ID ADD85351 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003100725-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 310  
ID ADD75359 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003100714-A1.  
PD 29-MAY-2003.  
PA (GETH) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;

```
ID ADD73883 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100710-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 311
ID ADD74621 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100713-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 312
ID ADD77149 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100716-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 313
ID ADD85843 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100720-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 314
ID ADR05392 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100723-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 315
ID ADR74867 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100724-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 316
ID ADE94801 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003199027-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 317
ID ADE91212 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003199061-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 318
ID ADF35497 standard; protein; 105 AA.
DE Human PRO1186 polypeptide.
PN US2003194760-A1.
PD 16-OCT-2003.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 319
ID ADE95353 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003199052-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 320
ID ADE93463 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003199060-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 321
ID ADF35044 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003199029-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 322
ID ADE92359 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003199051-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 323
ID ADE90660 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003199063-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 324
ID ADE91807 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003199058-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 325
ID ADG11747 standard; protein; 105 AA.
DE Human PRO1186 polypeptide.
PN US2003228655-A1.
PD 11-DEC-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 326
ID ADG05679 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003096959-A1.
PD 22-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 327
ID ADG27233 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003096962-A1.
PD 22-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 589; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 328
ID ADG02386 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003207352-A1.
```

PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 329  
ID ADG22172 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207360-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 330  
ID ADG20242 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207376-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 331  
ID ADF98148 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207422-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 332  
ID ADG24365 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207426-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 333  
ID ADF98719 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003208055-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 334  
ID ADG03550 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207351-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 335  
ID ADF99271 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207353-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 336  
ID ADG16856 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207359-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 337  
ID ADG05315 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207375-A1.  
PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 338  
ID ADG19582 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207425-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 339  
ID ADG11296 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096967-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 340  
ID ADG13419 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207357-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 341  
ID ADG08476 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207424-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 342  
ID ADG15646 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003219885-A1.  
PD 27-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 343  
ID ADG12075 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096963-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 344  
ID ADF97044 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207371-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 345  
ID ADG06229 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207374-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 346  
ID ADG23813 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207389-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 347  
ID ADG04102 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207423-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 348  
ID ADG25003 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207427-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 349  
ID ADF94632 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096964-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 350  
ID ADG07300 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207350-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 351  
ID ADG07952 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207356-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 352  
ID ADG06728 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003096966-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 353  
ID ADG55347 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003194778-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 354  
ID ADG61011 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207390-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 355  
ID ADG62115 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207428-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 356  
ID ADG82316 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207358-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 357  
ID ADG57555 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207362-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 358  
ID ADG57003 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207364-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 359  
ID ADG55899 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207365-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 360  
ID ADG58659 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207368-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 361  
ID ADG71025 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207420-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 362  
ID ADH39072 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096965-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 363  
ID ADG58107 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207363-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 364  
ID ADG53691 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207415-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 365  
ID ADG53691 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207415-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;

RESULT 365  
ID ADG71577 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207421-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 366  
ID ADG81764 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207805-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 367  
ID ADH19617 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003228656-A1.  
PD 11-DEC-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 368  
ID ADH30726 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077723-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 369  
ID ADH12093 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207419-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 370  
ID ADG52515 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207414-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 371  
ID ADG54243 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207416-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 372  
ID ADG81212 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194793-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 373  
ID ADG56451 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207366-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 374  
ID ADH12717 standard; protein; 105 AA.

DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207378-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 375  
ID ADH21110 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003224358-A1.  
PD 04-DEC-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 376  
ID ADG61563 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207429-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 377  
ID ADH20150 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003219856-A1.  
PD 27-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 378  
ID ADH28650 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003022331-A1.  
PD 30-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 379  
ID ADG54795 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207367-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 380  
ID ADG59835 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207369-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 381  
ID ADH43605 standard; protein; 105 AA.  
DE Human PRO polypeptide #86.  
PN US2003224984-A1.  
PD 04-DEC-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 382  
ID ADG34162 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004006206-A1.  
PD 08-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 383  
ID ADI81259 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207361-A1.

PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 384  
ID ADI33632 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003096960-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 385  
ID ADH69726 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2004019183-A1.  
PD 29-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 386  
ID ADG10002 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004009548-A1.  
PD 15-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 387  
ID ADI15473 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207382-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 388  
ID ADG09350 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004009547-A1.  
PD 15-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 389  
ID ADI14805 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207383-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 390  
ID ADI29887 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096961-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 391  
ID ADI18400 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207349-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 392  
ID ADM27284 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004044179-A1.  
PD 04-MAR-2004.

PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 393  
ID ADJ63681 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004039164-A1.  
PD 26-FEB-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 394  
ID ADJ77576 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004038336-A1.  
PD 26-FEB-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 395  
ID ADK82950 standard; protein; 105 AA.  
DE Human PRO polypeptide #86.  
PN US2004043927-A1.  
PD 04-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 396  
ID ADK66642 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2004044180-A1.  
PD 04-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 397  
ID ADJ65698 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004038335-A1.  
PD 26-FEB-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 398  
ID ADM27834 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004048333-A1.  
PD 11-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 399  
ID ADL66891 standard; protein; 105 AA.  
DE Human extracellular signaling molecule (EXCS) -11 protein.  
PN US2004048244-A1.  
PD 11-MAR-2004.  
PA (TANG//) TANG Y T.  
PA (YUEH//) YUE H.  
PA (LALP//) LAL P.  
PA (BURF//) BURFORD N.  
PA (BAND//) BANDMAN O.  
PA (BAUG//) BAUGHN M.R.  
PA (AZIM//) AZIMZAI Y.  
PA (LUDA//) LU D A M.  
PA (ARVI//) ARVIZU C.  
Query Match 100.0%; Score 589; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 400  
ID ADN08155 standard; protein; 105 AA.  
DE Human endocrine gland vascular endothelial growth factor.  
PN DE10229379-A1.  
PD 29-JAN-2004.  
PA (SCHD ) SCHERING AG.

Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 401  
ID ADM42558 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004058424-A1.  
PD 25-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 402  
ID ADM41842 standard; protein; 105 AA.  
DE Amino acid sequence of a human Zven2 polypeptide.  
PN WO2004032850-A2.  
PD 22-APR-2004.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 403  
ID ADM28420 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004077064-A1.  
PD 22-APR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 404  
ID ADI95902 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077659-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 405  
ID ADI96454 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207354-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 406  
ID ADS86960 standard; protein; 105 AA.  
DE Human Zven2 protein.  
PN WO2004031367-A2.  
PD 15-APR-2004.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 407  
ID ADS00464 standard; protein; 105 AA.  
DE Human EG-VEGF, SEQ ID 8.  
PN WO2004081229-A2.  
PD 23-SEP-2004.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 408  
ID ADS86475 standard; protein; 105 AA.  
DE Human ZAQ ligand protein related to eating disorders & obesity Seq 7.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 409  
ID ADS75493 standard; protein; 105 AA.  
DE Human prokineticin 2 receptor protein.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;

Best Local Similarity 100.0%; Pred. No. 4.3e-54;  
RESULT 410  
ID ADS32406 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004203125-A1.  
PD 14-OCT-2004.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 411  
ID ADT03390 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004214269-A1.  
PD 28-OCT-2004.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 8; Length 105;  
RESULT 412  
ID ADY86164 standard; protein; 105 AA.  
DE Human EG-VEGF, SEQ ID NO:2.  
PN US2005064522-A1.  
PD 24-MAR-2005.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 9; Length 105;  
RESULT 413  
ID ADZ03441 standard; protein; 105 AA.  
DE Human secreted/transmembrane PRO1186 protein.  
PN US2005074837-A1.  
PD 07-APR-2005.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 9; Length 105;  
RESULT 414  
ID ADZ89922 standard; protein; 105 AA.  
DE Human prokineticin 1 isoform.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 9; Length 105;  
RESULT 415  
ID AEA38601 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein, #183.  
PN US2005112725-A1.  
PD 26-MAY-2005.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 9; Length 105;  
RESULT 416  
ID AEB14187 standard; protein; 105 AA.  
DE Cancer cell diagnosis method-related human protein - SEQ ID 470.  
PN US2005153396-A1.  
PD 14-JUL-2005.  
PA (BAKE ) BAKER K P.  
PA (BERE ) BERSINI M.  
PA (DEFO ) DEFORGE L.  
PA (DESN ) DESNOYERS L.  
PA (FILV ) FILVAROPF E.  
PA (GAOW ) GAO W.  
PA (GERR ) GERRITSEN M E.  
PA (GODD ) GODDARD A.  
PA (GODO ) GODOWSKI P J.  
PA (GURN ) GURNEY A L.  
PA (SHER ) SHERWOOD S.  
PA (SMIT ) SMITH V.  
PA (STEW ) STEWART T A.  
PA (TUMA ) TUMAS D.  
PA (WATA ) WATANABE C K.  
PA (WOOD ) WOOD W I.  
PA (ZHAN ) ZHANG Z.  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 9; Length 105;



Fri Nov 30 07:56:31 2007

```
RESULT 417
ID AEB45588 standard; protein; 105 AA.
DE Human Zven2 protein, SEQ ID NO: 5.
PN US2005153322-A1.
PA (ZYMO) ZYMOGENETICS INC.
Query Match 100.0%; Score 589; DB 9; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 418
ID AEC06124 standard; protein; 105 AA.
DE Human EG-VEGF protein.
PN WO2005076972-A2.
PA (OHIS) UNIV OHIO STATE RES FOUND.
Query Match 100.0%; Score 589; DB 9; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 419
ID AED08088 standard; protein; 105 AA.
DE Human Zven2 protein.
PN US2005214800-A1.
PA (ZYMO) ZYMOGENETICS INC.
Query Match 100.0%; Score 589; DB 9; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 420
ID AED86385 standard; protein; 105 AA.
DE Human PRO amino acid sequence, seq id 470.
PN US2005245730-A1.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 9; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 421
ID AEG58332 standard; protein; 105 AA.
DE Human PRO1186 polypeptide SEQ ID NO: 470.
PN US2006073568-A1.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 422
ID AEH49352 standard; protein; 105 AA.
DE Human secreted polypeptide PRO1136, SEQ ID NO:166.
PN EPL659177-A2.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 423
ID AEI43977 standard; protein; 105 AA.
DE Human cancer-related PRO protein amino acid sequence - SEQ ID 470.
PN US2006040351-A1.
PA (BAKE) BAKER K P.
PA (BERE) BERESINI M.
PA (DEFO) DEFOURGE L.
PA (DESN) DESNOYERS L.
PA (FILV) FILVAROFF E.
PA (GAOW) GAO W.
PA (GERR) GERRITSEN M E.
PA (GODD) GODDARD A.
PA (GODO) GODOWSKI P J.
PA (GURN) GURNEY A L.
PA (SHER) SHERWOOD S.
PA (SMIT) SMITH V.
PA (STEW) STEWART T A.
PA (TUMA) TUMAS D.
PA (WATA) WATANABE C K.
PA (WOOD) WOOD W I.
PA (ZHAN) ZHANG Z.
Query Match 100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 424
ID AEI24060 standard; protein; 105 AA.
DE Human secreted/transmembrane protein PRO1186, SEQ ID NO:470.
PN EPL672070-A2.
PA (JUN) JUN-2006.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 425
ID AEK48387 standard; protein; 105 AA.
DE Human PRO1186 amino acid sequence.
PN EPL686174-A1.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 426
ID AEK62980 standard; protein; 105 AA.
DE Human PRO1186 polypeptide, SEQ ID NO: 166.
PN EPL700867-A2.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 427
ID AEL17020 standard; protein; 105 AA.
DE Human secreted polypeptide PRO1136, SEQ ID NO:166.
PN EPL702928-A2.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.3e-54;
RESULT 428
ID AAB70147 standard; protein; 105 AA.
DE Human G protein-coupled receptor protein-related sequence #3.
PN WO200116309-A1.
PA (TAKE) TAKEDA CHEM IND LTD.
Query Match 99.8%; Score 588; DB 4; Length 105;
Best Local Similarity 99.0%; Pred. No. 5.4e-54;
RESULT 429
ID AAM79066 standard; protein; 105 AA.
DE Human protein SEQ ID NO 1728.
PN WO200157190-A2.
PA (HYSE) HYSEQ INC.
Query Match 99.8%; Score 588; DB 4; Length 105;
Best Local Similarity 99.0%; Pred. No. 5.4e-54;
RESULT 430
ID AAG79596 standard; protein; 105 AA.
DE GSP4 sequence.
PN WO200269689-A2.
PA (GESP) GENSET.
Query Match 99.8%; Score 588; DB 5; Length 105;
Best Local Similarity 99.0%; Pred. No. 5.4e-54;
RESULT 431
ID AAO15526 standard; protein; 105 AA.
DE Human physiologically-active ZAQ ligand-related protein 2.
PN WO200257443-A1.
PA (TAKE) TAKEDA CHEM IND LTD.
Query Match 99.8%; Score 588; DB 5; Length 105;
Best Local Similarity 99.0%; Pred. No. 5.4e-54;
RESULT 432
ID ABB06307 standard; protein; 105 AA.
DE Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:22.
PN WO200206483-A1.
PA (TAKE) TAKEDA CHEM IND LTD.
Query Match 99.8%; Score 588; DB 5; Length 105;
Best Local Similarity 99.0%; Pred. No. 5.4e-54;
RESULT 433
ID ABP75987 standard; protein; 105 AA.
```

DE Human GENSET protein SEQ ID 194.  
 PN WO200283898-A1.  
 PD 24-OCT-2002.  
 PA (GENSET ) GENSET.  
 Query Match 99.8%; Score 588; DB 6; Length 105;  
 Best Local Similarity 99.0%; Pred. No. 5.4e-54;  
 RESULT 434  
 ID ADD69105 standard; protein; 105 AA.  
 DE Human ZAQ-related protein - SEQ ID 83.  
 PN WO2003066860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 99.8%; Score 588; DB 7; Length 105;  
 Best Local Similarity 99.0%; Pred. No. 5.4e-54;  
 RESULT 435  
 ID AUB86473 standard; protein; 105 AA.  
 DE Human ZAQ ligand protein related to eating disorders & obesity Seq 5.  
 PN WO2004084945-A1.  
 PD 07-OCT-2004.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 99.8%; Score 588; DB 8; Length 105;  
 Best Local Similarity 99.0%; Pred. No. 5.4e-54;  
 RESULT 436  
 ID AED00619 standard; protein; 105 AA.  
 DE Human prokineticin 1 (PK1).  
 PN WO2005091925-A2.  
 PD 06-OCT-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 99.8%; Score 588; DB 9; Length 105;  
 Best Local Similarity 99.0%; Pred. No. 5.4e-54;  
 RESULT 437  
 ID AAB18475 standard; protein; 105 AA.  
 DE A human TANGO 266 polypeptide clone.  
 PN WO200502022-A1.  
 PD 08-SEP-2000.  
 PA (MILL-) MILLENNIUM PHARM INC.  
 Query Match 99.5%; Score 586; DB 3; Length 105;  
 Best Local Similarity 99.0%; Pred. No. 8.8e-54;  
 RESULT 438  
 ID AAB18473 standard; protein; 105 AA.  
 DE A human TANGO 266 polypeptide clone.  
 PN WO200502022-A1.  
 PD 08-SEP-2000.  
 PA (MILL-) MILLENNIUM PHARM INC.  
 Query Match 99.5%; Score 586; DB 3; Length 105;  
 Best Local Similarity 99.0%; Pred. No. 8.8e-54;  
 RESULT 439  
 ID AAB18474 standard; protein; 105 AA.  
 DE A human TANGO 266 polypeptide clone.  
 PN WO200502022-A1.  
 PD 08-SEP-2000.  
 PA (MILL-) MILLENNIUM PHARM INC.  
 Query Match 99.5%; Score 586; DB 3; Length 105;  
 Best Local Similarity 99.0%; Pred. No. 8.8e-54;  
 RESULT 440  
 ID ABP76151 standard; protein; 105 AA.  
 DE Human GENSET protein SEQ ID 477.  
 PN WO200283898-A1.  
 PD 24-OCT-2002.  
 PA (GENSET ) GENSET.  
 Query Match 98.8%; Score 582; DB 6; Length 105;  
 Best Local Similarity 98.1%; Pred. No. 2.3e-53;  
 RESULT 441  
 ID ABP75986 standard; protein; 105 AA.  
 DE Human GENSET protein SEQ ID 193.  
 PN WO200283898-A1.  
 PD 24-OCT-2002.  
 PA (GENSET ) GENSET.  
 Query Match 98.8%; Score 582; DB 6; Length 105;  
 Best Local Similarity 98.1%; Pred. No. 2.3e-53;  
 RESULT 442  
 ID AED00616 standard; protein; 105 AA.  
 DE Rhesus monkey prokineticin 1 (PK1) SEQ ID NO 28.

PN WO2005091925-A2.  
 PD 06-OCT-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 98.1%; Score 578; DB 9; Length 105;  
 Best Local Similarity 98.1%; Pred. No. 6.1e-53;  
 RESULT 443  
 ID AEL00448 standard; protein; 113 AA.  
 DE Recombinant N-terminal FLAG-tagged human prokineticin-1.  
 PN WO2006104713-A1.  
 PD 05-OCT-2006.  
 PA (JANC ) JANSSEN PHARM NV.  
 PA (MISK/) MISKOWSKI T A.  
 Query Match 97.6%; Score 575; DB 10; Length 113;  
 Best Local Similarity 92.9%; Pred. No. 1.4e-52;  
 RESULT 444  
 ID ADZ88921 standard; protein; 105 AA.  
 DE Rhesus monkey prokineticin 2.  
 PN WO2005042717-A2.  
 PD 12-MAY-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 97.1%; Score 572; DB 9; Length 105;  
 Best Local Similarity 97.1%; Pred. No. 2.6e-52;  
 RESULT 445  
 ID AEX60511 standard; protein; 114 AA.  
 DE Human prokineticin 1 (N-terminally FLAG tagged).  
 PN WO2006102112-A2.  
 PD 28-SEP-2006.  
 PA (JANC ) JANSSEN PHARM NV.  
 Query Match 95.8%; Score 564.5; DB 10; Length 114;  
 Best Local Similarity 92.1%; Pred. No. 1.8e-51;  
 RESULT 446  
 ID ABB99151 standard; protein; 105 AA.  
 DE Rat ZAQ protein.  
 PN WO200262996-A1.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 92.5%; Score 545; DB 5; Length 105;  
 Best Local Similarity 89.5%; Pred. No. 1.8e-49;  
 RESULT 447  
 ID ABB06956 standard; protein; 105 AA.  
 DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:43.  
 PN WO200216607-A1.  
 PD 28-FEB-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 92.5%; Score 545; DB 5; Length 105;  
 Best Local Similarity 89.5%; Pred. No. 1.8e-49;  
 RESULT 448  
 ID ADD69154 standard; protein; 105 AA.  
 DE Rat ZAQ-related protein - SEQ ID 132.  
 PN WO2003066860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 92.5%; Score 545; DB 7; Length 105;  
 Best Local Similarity 89.5%; Pred. No. 1.8e-49;  
 RESULT 449  
 ID ADS86487 standard; protein; 105 AA.  
 DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 19.  
 PN WO2004084945-A1.  
 PD 07-OCT-2004.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 92.5%; Score 545; DB 8; Length 105;  
 Best Local Similarity 89.5%; Pred. No. 1.8e-49;  
 RESULT 450  
 ID ABB99153 standard; protein; 105 AA.  
 DE Rat ZAQ protein.  
 PN WO200262996-A1.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 91.9%; Score 541; DB 5; Length 105;  
 Best Local Similarity 88.6%; Pred. No. 4.9e-49;  
 RESULT 451  
 ID ABB06958 standard; protein; 105 AA.  
 DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:47.

Fri Nov 30 07:56:31 2007

PD WO200216607-A1.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.9%; Score 541; DB 5; Length 105;  
Best Local Similarity 88.6%; Pred. No. 4.9e-49;  
RESULT 452  
ID ADD69158 standard; protein; 105 AA.  
DE Rat ZAQ-related protein - SEQ ID 136.  
PD WO2003066860-A1.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.9%; Score 541; DB 7; Length 105;  
Best Local Similarity 88.6%; Pred. No. 4.9e-49;  
RESULT 453  
ID ADS86491 standard; protein; 105 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 23.  
PD WO2004084945-A1.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.9%; Score 541; DB 8; Length 105;  
Best Local Similarity 88.6%; Pred. No. 4.9e-49;  
RESULT 454  
ID ABB99152 standard; protein; 105 AA.  
DE Rat ZAQ protein.  
PD WO200262996-A1.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.5%; Score 539; DB 5; Length 105;  
Best Local Similarity 88.6%; Pred. No. 7.9e-49;  
RESULT 455  
ID ABB6957 standard; protein; 105 AA.  
DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:45.  
PD WO200216607-A1.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.5%; Score 539; DB 5; Length 105;  
Best Local Similarity 88.6%; Pred. No. 7.9e-49;  
RESULT 456  
ID ADD69156 standard; protein; 105 AA.  
DE Rat ZAQ-related protein - SEQ ID 134.  
PD WO2003066860-A1.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.5%; Score 539; DB 7; Length 105;  
Best Local Similarity 88.6%; Pred. No. 7.9e-49;  
RESULT 457  
ID ADS86489 standard; protein; 105 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 21.  
PD WO2004084945-A1.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.5%; Score 539; DB 8; Length 105;  
Best Local Similarity 88.6%; Pred. No. 7.9e-49;  
RESULT 458  
ID ABB99148 standard; protein; 105 AA.  
DE Mouse ZAQ protein.  
PD WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 88.5%; Score 521; DB 5; Length 105;  
Best Local Similarity 84.8%; Pred. No. 6.2e-47;  
RESULT 459  
ID ADP69129 standard; protein; 105 AA.  
DE Murine ZAQ-related protein - SEQ ID 107.  
PD WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 88.5%; Score 521; DB 7; Length 105;  
Best Local Similarity 84.8%; Pred. No. 6.2e-47;  
RESULT 460  
ID ADS00466 standard; protein; 105 AA.  
DE Murine EG-VEGF, SEQ ID 10.  
PD WO2004081229-A2.

PD 23-SEP-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 88.5%; Score 521; DB 8; Length 105;  
Best Local Similarity 84.8%; Pred. No. 6.2e-47;  
RESULT 461  
ID ADS86479 standard; protein; 105 AA.  
DE Murine ZAQ ligand protein related to eating disorders & obesity Seq 11.  
PD WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 88.5%; Score 521; DB 8; Length 105;  
Best Local Similarity 84.8%; Pred. No. 6.2e-47;  
RESULT 462  
ID ABJ05340 standard; protein; 125 AA.  
DE Target fusion peptide production method-related protein #3.  
PD WO200236762-A1.  
PD 10-MAY-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 85.1%; Score 501; DB 5; Length 125;  
Best Local Similarity 98.9%; Pred. No. 9.6e-45;  
RESULT 463  
ID ABJ05339 standard; protein; 130 AA.  
DE Human PTH(1-34)-ZAQ ligand fusion protein.  
PD WO200236762-A1.  
PD 10-MAY-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 85.1%; Score 501; DB 5; Length 130;  
Best Local Similarity 98.9%; Pred. No. 1e-44;  
RESULT 464  
ID AAB70146 standard; protein; 86 AA.  
DE Human G protein-coupled receptor protein-related sequence #2.  
PD WO200116309-A1.  
PD 08-MAR-2001.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.6%; Score 498; DB 4; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 465  
ID ABB76801 standard; protein; 86 AA.  
DE Human ZAQ-1.  
PD WO200208417-A1.  
PD 31-JAN-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.6%; Score 498; DB 5; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 466  
ID ABJ05338 standard; protein; 86 AA.  
DE Human ZAQ protein ligand.  
PD WO200236762-A1.  
PD 10-MAY-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.6%; Score 498; DB 5; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 467  
ID AAO15529 standard; protein; 86 AA.  
DE Human physiologically-active ZAQ ligand-related protein 4.  
PD WO200257443-A1.  
PD 25-JUL-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.6%; Score 498; DB 5; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 468  
ID ABB06306 standard; protein; 86 AA.  
DE Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:21.  
PD WO200206483-A1.  
PD 24-JAN-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.6%; Score 498; DB 5; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 469  
ID AAE24383 standard; protein; 86 AA.  
DE Human prokineticin 1 mature protein.  
PD WO200236625-A2.  
PD 10-MAY-2002.

PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 5; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 470  
ID AED00599 standard; protein; 86 AA.  
DE Partial human prokineticin 1 (PK1) SEQ ID NO 11.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 9; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 471  
ID AED005360 standard; protein; 86 AA.  
DE Human prokineticin 1 (PK1), SEQ ID NO:9.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.6%; Score 498; DB 7; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 472  
ID AED005360 standard; protein; 86 AA.  
DE Human prokineticin 1 (PK1), SEQ ID NO:9.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 7; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 473  
ID AED005360 standard; protein; 86 AA.  
DE Amino acid sequence of human prokineticin 1 (PK1).  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 8; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 474  
ID AED005360 standard; protein; 86 AA.  
DE Human ZAQ-1 ligand protein #1.  
PN WO2004065419-A1.  
PD 05-AUG-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.6%; Score 498; DB 8; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 475  
ID AED005360 standard; protein; 86 AA.  
DE Human ZAQ ligand protein related to eating disorders & obesity Seq 3.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.6%; Score 498; DB 8; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 476  
ID AED005360 standard; protein; 86 AA.  
DE Human prokineticin 1 receptor protein.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 8; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 477  
ID AED005360 standard; protein; 86 AA.  
DE Amino acid sequence of human prokineticin 1 (PK1).  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 9; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 478  
ID AED005360 standard; protein; 86 AA.  
DE Human ZAQ-1 amino acid sequence - SEQ ID 2.  
PN WO2005037870-A1.  
PD 28-APR-2005.  
PA (TAKE ) TAKEDA PHARM CO LTD.  
Query Match 84.6%; Score 498; DB 9; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 479  
ID AED005360 standard; protein; 86 AA.  
DE Human Zven2 protein fragment.  
PN US2005153322-A1.  
PD 14-JUL-2005.  
PA (ZYMO ) ZYMOGENETICS INC.

Query Match 84.6%; Score 498; DB 9; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 479  
ID AED00599 standard; protein; 86 AA.  
DE Partial human prokineticin 1 (PK1) SEQ ID NO 11.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 9; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 480  
ID AED005360 standard; protein; 86 AA.  
DE Human prokineticin 1 (PK1) protein, SEQ ID NO: 9.  
PN US2006172335-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (STEG/) SIEGEL J.  
Query Match 84.6%; Score 498; DB 10; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 481  
ID AED00512 standard; protein; 86 AA.  
DE Human prokineticin 1.  
PN WO2006102112-A2.  
PD 28-SEP-2006.  
PA (JANC ) JANSSEN PHARM NV.  
Query Match 84.6%; Score 498; DB 10; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 482  
ID AED00449 standard; protein; 86 AA.  
DE Human human prokineticin-1 ligand #1.  
PN WO2006104713-A1.  
PD 05-OCT-2006.  
PA (JANC ) JANSSEN PHARM NV.  
PA (MISK/) MISKOWSKI T A.  
Query Match 84.6%; Score 498; DB 10; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.3e-44;  
RESULT 483  
ID AED004395 standard; protein; 87 AA.  
DE Human prokineticin 1 mutant protein #4.  
PN WO2006104713-A1.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 5; Length 87;  
Best Local Similarity 100.0%; Pred. No. 1.4e-44;  
RESULT 484  
ID AED005509 standard; protein; 87 AA.  
DE Prokineticin receptor antagonist Met PK1.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 8; Length 87;  
Best Local Similarity 100.0%; Pred. No. 1.4e-44;  
RESULT 485  
ID AED004392 standard; protein; 89 AA.  
DE Human prokineticin 1 mutant protein #1.  
PN WO2006104713-A1.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 5; Length 89;  
Best Local Similarity 100.0%; Pred. No. 1.4e-44;  
RESULT 486  
ID AED005506 standard; protein; 89 AA.  
DE Prokineticin receptor related synthetic construct protein, SEQ ID 15.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 84.6%; Score 498; DB 8; Length 89;  
Best Local Similarity 100.0%; Pred. No. 1.4e-44;  
RESULT 487  
ID AED005506 standard; protein; 86 AA.  
DE Human G protein-coupled receptor protein-related sequence #1.  
PN WO200116309-A1.

PD 08-MAR-2001.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.4%; Score 497; DB 4; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.7e-44;  
RESULT 488  
ID AAO15528 standard; protein; 86 AA.  
DE Human physiologically-active ZAQ ligand-related protein 3.  
PN WO200257443-A1.  
PD 25-JUL-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.4%; Score 497; DB 5; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.7e-44;  
RESULT 489  
ID ABB06305 standard; protein; 86 AA.  
DE Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:20.  
PN WO200206483-A1.  
PD 24-JAN-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.4%; Score 497; DB 5; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.7e-44;  
RESULT 490  
ID ADD69103 standard; protein; 86 AA.  
DE Human ZAQ-related protein - SEQ ID 81.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.4%; Score 497; DB 7; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.7e-44;  
RESULT 491  
ID ADR24004 standard; protein; 86 AA.  
DE Human ZAQ-1 ligand protein #2.  
PN WO2004065419-A1.  
PD 05-AUG-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.4%; Score 497; DB 8; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.7e-44;  
RESULT 492  
ID ADS86469 standard; protein; 86 AA.  
DE Human ZAQ ligand protein related to eating disorders & obesity Seq 1.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 84.4%; Score 497; DB 8; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.7e-44;  
RESULT 493  
ID ADZ58576 standard; protein; 86 AA.  
DE Human ZAQ-1 amino acid sequence - SEQ ID 3.  
PN WO2005037870-A1.  
PD 28-APR-2005.  
PA (TAKE ) TAKEDA PHARM CO LTD.  
Query Match 84.4%; Score 497; DB 9; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.7e-44;  
RESULT 494  
ID AAE24393 standard; protein; 85 AA.  
DE Human prokineticin 1 mutant protein #2.  
PN WO200236625-A2.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 83.9%; Score 494; DB 5; Length 85;  
Best Local Similarity 100.0%; Pred. No. 3.5e-44;  
RESULT 495  
ID ADS75507 standard; protein; 85 AA.  
DE Prokineticin receptor antagonist dela-PK1.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 83.9%; Score 494; DB 8; Length 85;  
Best Local Similarity 100.0%; Pred. No. 3.5e-44;  
RESULT 496  
ID ADS75511 standard; protein; 86 AA.  
DE Prokineticin receptor antagonist MV PK1.  
PN WO2004087054-A2.  
PD 14-OCT-2004.

PA (REGC ) UNIV CALIFORNIA.  
Query Match 83.9%; Score 494; DB 8; Length 86;  
Best Local Similarity 100.0%; Pred. No. 3.5e-44;  
RESULT 497  
ID AAE24394 standard; protein; 86 AA.  
DE Human prokineticin 1 mutant protein #3.  
PN WO200236625-A2.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 81.2%; Score 478; DB 5; Length 86;  
Best Local Similarity 95.3%; Pred. No. 1.7e-42;  
RESULT 498  
ID ADS75508 standard; protein; 86 AA.  
DE Prokineticin receptor related synthetic construct protein, SEQ ID 17.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 81.2%; Score 478; DB 8; Length 86;  
Best Local Similarity 95.3%; Pred. No. 1.7e-42;  
RESULT 499  
ID ADZ88902 standard; protein; 82 AA.  
DE Human prokineticin 1.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 80.8%; Score 476; DB 9; Length 82;  
Best Local Similarity 100.0%; Pred. No. 2.7e-42;  
RESULT 500  
ID AEX60513 standard; protein; 82 AA.  
DE Human prokineticin 1 (C-terminal truncation).  
PN WO2006102112-A2.  
PD 28-SEP-2006.  
PA (JANC ) JANSSEN PHARM NV.  
Query Match 80.8%; Score 476; DB 10; Length 82;  
Best Local Similarity 100.0%; Pred. No. 2.7e-42;  
RESULT 501  
ID AEL00450 standard; protein; 82 AA.  
DE Human prokineticin-1 ligand #2.  
PN WO2006104713-A1.  
PD 05-OCT-2006.  
PA (JANC ) JANSSEN PHARM NV.  
Query Match 80.8%; Score 476; DB 10; Length 82;  
Best Local Similarity 100.0%; Pred. No. 2.7e-42;  
RESULT 502  
ID ABB99154 standard; protein; 86 AA.  
DE Rat ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 80.3%; Score 473; DB 5; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.8e-42;  
RESULT 503  
ID ABB06959 standard; protein; 86 AA.  
DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:49.  
PN WO200216607-A1.  
PD 28-FEB-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 80.3%; Score 473; DB 5; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.8e-42;  
RESULT 504  
ID ADD89160 standard; protein; 86 AA.  
DE Rat ZAQ-related protein - SEQ ID 138.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 80.3%; Score 473; DB 7; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.8e-42;  
RESULT 505  
ID ADN43261 standard; protein; 86 AA.  
DE Amino acid sequence of rat prokineticin 1 (PK1).  
PN WO2004032851-A2.  
PD 22-APR-2004.

PA (REGC ) UNIV CALIFORNIA.  
Query Match 80.3%; Score 473; DB 8; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.8e-42;  
RESULT 506  
ID ADS86481 standard; protein; 86 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 13.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 80.3%; Score 473; DB 8; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.8e-42;  
RESULT 507  
ID ADS75521 standard; protein; 86 AA.  
DE Modified rat prokineticin 1 receptor, SEQ ID 30.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 80.3%; Score 473; DB 8; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.8e-42;  
RESULT 508  
ID ABB99156 standard; protein; 86 AA.  
DE Rat ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 79.6%; Score 469; DB 5; Length 86;  
Best Local Similarity 90.7%; Pred. No. 1.5e-41;  
RESULT 509  
ID ABB06961 standard; protein; 86 AA.  
DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:53.  
PN WO200216607-A1.  
PD 28-FEB-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 79.6%; Score 469; DB 5; Length 86;  
Best Local Similarity 90.7%; Pred. No. 1.5e-41;  
RESULT 510  
ID ADD69164 standard; protein; 86 AA.  
DE Rat ZAQ-related protein - SEQ ID 142.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 79.6%; Score 469; DB 7; Length 86;  
Best Local Similarity 90.7%; Pred. No. 1.5e-41;  
RESULT 511  
ID ADS86485 standard; protein; 86 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 17.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 79.6%; Score 469; DB 8; Length 86;  
Best Local Similarity 90.7%; Pred. No. 1.5e-41;  
RESULT 512  
ID ABB99155 standard; protein; 86 AA.  
DE Rat ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 79.3%; Score 467; DB 5; Length 86;  
Best Local Similarity 90.7%; Pred. No. 2.5e-41;  
RESULT 513  
ID ABB06960 standard; protein; 86 AA.  
DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:51.  
PN WO200216607-A1.  
PD 28-FEB-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 79.3%; Score 467; DB 5; Length 86;  
Best Local Similarity 90.7%; Pred. No. 2.5e-41;  
RESULT 514  
ID ADD69162 standard; protein; 86 AA.  
DE Rat ZAQ-related protein - SEQ ID 140.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.

Query Match 79.3%; Score 467; DB 7; Length 86;  
Best Local Similarity 90.7%; Pred. No. 2.5e-41;  
RESULT 515  
ID ADS86483 standard; protein; 86 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 15.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 79.3%; Score 467; DB 8; Length 86;  
Best Local Similarity 90.7%; Pred. No. 2.5e-41;  
RESULT 516  
ID ABB99149 standard; protein; 86 AA.  
DE Mouse ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 77.2%; Score 455; DB 5; Length 86;  
Best Local Similarity 88.4%; Pred. No. 4.6e-40;  
RESULT 517  
ID ADD69131 standard; protein; 86 AA.  
DE Murine ZAQ-related protein - SEQ ID 109.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 77.2%; Score 455; DB 7; Length 86;  
Best Local Similarity 88.4%; Pred. No. 4.6e-40;  
RESULT 518  
ID ADO05361 standard; protein; 86 AA.  
DE Mouse prokineticin 1 (PK1), SEQ ID NO:10.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 77.2%; Score 455; DB 7; Length 86;  
Best Local Similarity 88.4%; Pred. No. 4.6e-40;  
RESULT 519  
ID ADM43259 standard; protein; 86 AA.  
DE Amino acid sequence of murine prokineticin 1 (PK1).  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 77.2%; Score 455; DB 8; Length 86;  
Best Local Similarity 88.4%; Pred. No. 4.6e-40;  
RESULT 520  
ID ADS86477 standard; protein; 86 AA.  
DE Murine ZAQ ligand protein related to eating disorders & obesity Seq 9.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 77.2%; Score 455; DB 8; Length 86;  
Best Local Similarity 88.4%; Pred. No. 4.6e-40;  
RESULT 521  
ID ADS75519 standard; protein; 86 AA.  
DE Modified mouse prokineticin 1 receptor, SEQ ID 28.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 77.2%; Score 455; DB 8; Length 86;  
Best Local Similarity 88.4%; Pred. No. 4.6e-40;  
RESULT 522  
ID ADM00760 standard; protein; 86 AA.  
DE Amino acid sequence of murine prokineticin 1 (PK1).  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 77.2%; Score 455; DB 9; Length 86;  
Best Local Similarity 88.4%; Pred. No. 4.6e-40;  
RESULT 523  
ID ADZ88903 standard; protein; 86 AA.  
DE Mouse prokineticin 1.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 77.2%; Score 455; DB 9; Length 86;

Best Local Similarity 88.4%; Pred. No. 4.6e-40;  
RESULT 524  
ID AED0600 standard; protein; 86 AA.  
DE Mouse prokineticin 1 (PK1) SEQ ID NO 12.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 77.2%; Score 455; DB 9; Length 86;  
Best Local Similarity 88.4%; Pred. No. 4.6e-40;  
RESULT 525  
ID AEJ43368 standard; protein; 86 AA.  
DE Mouse prokineticin 1 (PK1) protein, SEQ ID NO: 10.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 77.2%; Score 455; DB 10; Length 86;  
Best Local Similarity 88.4%; Pred. No. 4.6e-40;  
RESULT 526  
ID AYL1745 standard; protein; 81 AA.  
DE Human 5' EST secreted protein SEQ ID NO: 345.  
PN WO9906550-A2.  
PD 11-FEB-1999.  
PA (GEST ) GENSET.  
Query Match 76.7%; Score 452; DB 2; Length 81;  
Best Local Similarity 98.8%; Pred. No. 8.9e-40;  
RESULT 527  
ID AAG0617 standard; protein; 80 AA.  
DE Human secreted protein, SEQ ID NO: 4698.  
PN EP1033401-A2.  
PD 06-SEP-2000.  
PA (GEST ) GENSET.  
Query Match 76.1%; Score 448; DB 3; Length 80;  
Best Local Similarity 98.8%; Pred. No. 2.3e-39;  
RESULT 528  
ID AAE24391 standard; protein; 86 AA.  
DE Human prokineticin chimera 21 protein.  
PN WO200336625-A2.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 70.1%; Score 413; DB 5; Length 86;  
Best Local Similarity 76.7%; Pred. No. 1.2e-35;  
RESULT 529  
ID AD005372 standard; protein; 86 AA.  
DE PK2/PK1 chimeric protein, SEQ ID NO:21.  
PN WO2003089504-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 70.1%; Score 413; DB 7; Length 86;  
Best Local Similarity 76.7%; Pred. No. 1.2e-35;  
RESULT 530  
ID ADN43267 standard; protein; 86 AA.  
DE Amino acid sequence of human prokineticin 2 (PK2)/PK1 chimera.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 70.1%; Score 413; DB 8; Length 86;  
Best Local Similarity 76.7%; Pred. No. 1.2e-35;  
RESULT 531  
ID ADS75505 standard; protein; 86 AA.  
DE Modified human prokineticin chimeric receptor, PK2-PK1.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 70.1%; Score 413; DB 8; Length 86;  
Best Local Similarity 76.7%; Pred. No. 1.2e-35;  
RESULT 532  
ID ADW00765 standard; protein; 86 AA.  
DE Amino acid sequence of a PK2/PK1 chimera.  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.

Query Match 70.1%; Score 413; DB 9; Length 86;  
Best Local Similarity 76.7%; Pred. No. 1.2e-35;  
RESULT 533  
ID ADZ88908 standard; protein; 86 AA.  
DE Human prokineticin 2/prokineticin 1 chimera.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 70.1%; Score 413; DB 9; Length 86;  
Best Local Similarity 76.7%; Pred. No. 1.2e-35;  
RESULT 534  
ID AED0605 standard; protein; 86 AA.  
DE Human PK2-PK1 chimera SEQ ID NO 17.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 70.1%; Score 413; DB 9; Length 86;  
Best Local Similarity 76.7%; Pred. No. 1.2e-35;  
RESULT 535  
ID AEJ43379 standard; protein; 86 AA.  
DE Human PK1 exons 1 and 2 - PK2 exon 3 fusion protein.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 70.1%; Score 413; DB 10; Length 86;  
Best Local Similarity 76.7%; Pred. No. 1.2e-35;  
RESULT 536  
ID AAE24390 standard; protein; 81 AA.  
DE Human prokineticin chimera 12 protein.  
PN WO200336625-A2.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 63.8%; Score 376; DB 5; Length 81;  
Best Local Similarity 84.4%; Pred. No. 9e-32;  
RESULT 537  
ID AD005371 standard; protein; 81 AA.  
DE PK1/PK2 chimeric protein, SEQ ID NO:20.  
PN WO2003089504-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 63.8%; Score 376; DB 7; Length 81;  
Best Local Similarity 84.4%; Pred. No. 9e-32;  
RESULT 538  
ID ADN43266 standard; protein; 81 AA.  
DE Amino acid sequence of human prokineticin 1 (PK1)/PK2 chimera.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 63.8%; Score 376; DB 8; Length 81;  
Best Local Similarity 84.4%; Pred. No. 9e-32;  
RESULT 539  
ID ADS75504 standard; protein; 81 AA.  
DE Modified human prokineticin chimeric receptor, PK1-PK2.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 63.8%; Score 376; DB 8; Length 81;  
Best Local Similarity 84.4%; Pred. No. 9e-32;  
RESULT 540  
ID ADW00764 standard; protein; 81 AA.  
DE Amino acid sequence of a PK1/PK2 chimera.  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 63.8%; Score 376; DB 9; Length 81;  
Best Local Similarity 84.4%; Pred. No. 9e-32;  
RESULT 541  
ID ADZ88907 standard; protein; 81 AA.  
DE Human prokineticin 1/prokineticin 2 chimera.  
PN WO2005042717-A2.  
PD 12-MAY-2005.



PA (REGC ) UNIV CALIFORNIA.  
Query Match 63.8%; Score 376; DB 9; Length 81;  
Best Local Similarity 84.4%; Pred. No. 9e-32;  
RESULT 542  
ID AED00604 standard; protein; 81 AA.  
DE Human PK1-PK2 chimera SEQ ID NO 16.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 63.8%; Score 376; DB 9; Length 81;  
Best Local Similarity 84.4%; Pred. No. 9e-32;  
RESULT 543  
ID AEG43378 standard; protein; 81 AA.  
DE Human PK1 exons 1 and 2 - PK2 exon 3 fusion protein.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 63.8%; Score 376; DB 10; Length 81;  
Best Local Similarity 84.4%; Pred. No. 9e-32;  
RESULT 544  
ID AEG94399 standard; protein; 80 AA.  
DE Dendroaspis polylepis MITI protein.  
PN WO200262344-A2.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 53.5%; Score 315; DB 5; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 545  
ID ABB99160 standard; protein; 80 AA.  
DE Polylepis MITI.  
PN WO200262296-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 53.5%; Score 315; DB 5; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 546  
ID ABB06310 standard; protein; 80 AA.  
DE Dendroaspis polylepis MITI protein sequence SEQ ID NO:34.  
PN WO200206483-A1.  
PD 24-JAN-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 53.5%; Score 315; DB 5; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 547  
ID ADD69043 standard; protein; 80 AA.  
DE Dendroaspis polylepis MITI-related protein.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 53.5%; Score 315; DB 7; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 548  
ID ADJ71812 standard; protein; 80 AA.  
DE Black mamba intestinal toxin protein.  
PN WO2003040326-A2.  
PD 15-MAY-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 53.5%; Score 315; DB 7; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 549  
ID ADO05364 standard; protein; 80 AA.  
DE Snake prokineticin orthologue MITI, SEQ ID NO:13.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.5%; Score 315; DB 7; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 550  
ID ADS86504 standard; protein; 80 AA.  
DE D.polylepis MITI protein related to eating disorders & obesity Seq 36.  
PN WO2004084945-A1.

PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 53.5%; Score 315; DB 8; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 551  
ID ADW00763 standard; protein; 80 AA.  
DE Amino acid sequence of snake MITI.  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.5%; Score 315; DB 9; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 552  
ID ADZ88906 standard; protein; 80 AA.  
DE Snake prokineticin 1 homologue, MITI.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.5%; Score 315; DB 9; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 553  
ID AED00603 standard; protein; 80 AA.  
DE Snake MITI SEQ ID NO 15.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.5%; Score 315; DB 9; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 554  
ID AEU43371 standard; protein; 80 AA.  
DE Snake MITI protein, SEQ ID NO: 13.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 53.5%; Score 315; DB 10; Length 80;  
Best Local Similarity 62.3%; Pred. No. 2.4e-25;  
RESULT 555  
ID ADY86167 standard; protein; 79 AA.  
DE Black mamba venom protein A (VPRA), SEQ ID NO:5.  
PN US2005064522-A1.  
PD 24-MAR-2005.  
PA (GETH ) GENENTECH INC.  
Query Match 52.9%; Score 311.5; DB 9; Length 79;  
Best Local Similarity 63.6%; Pred. No. 5.5e-25;  
RESULT 556  
ID ADN43263 standard; protein; 81 AA.  
DE Amino acid sequence of MITI.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 52.7%; Score 310.5; DB 8; Length 81;  
Best Local Similarity 62.8%; Pred. No. 7.2e-25;  
RESULT 557  
ID ADS75503 standard; protein; 81 AA.  
DE Modified black mamba prokineticin receptor, MITI.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 52.7%; Score 310.5; DB 8; Length 81;  
Best Local Similarity 62.8%; Pred. No. 7.2e-25;  
RESULT 558  
ID ADY86166 standard; protein; 100 AA.  
DE Human Bv8 homolog protein, SEQ ID NO:4.  
PN US2005064522-A1.  
PD 24-MAR-2005.  
PA (GETH ) GENENTECH INC.  
Query Match 52.0%; Score 306; DB 9; Length 100;  
Best Local Similarity 57.0%; Pred. No. 2.7e-24;  
RESULT 559  
ID AAB68426 standard; protein; 108 AA.  
DE Amino acid sequence of a human Zven1 polypeptide.

PN WO200136465-A2.  
 PD 25-MAY-2001.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 51.4%; Score 303; DB 4; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 560  
 ID ABG94397 standard; protein; 108 AA.  
 DE Human GPCR ligand Bv8 protein sequence #1.  
 PN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 51.4%; Score 303; DB 5; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 561  
 ID AAO15531 standard; protein; 108 AA.  
 DE Human physiologically-active ZAQ ligand-related protein 6.  
 PN WO200257443-A1.  
 PD 25-JUL-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 51.4%; Score 303; DB 5; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 562  
 ID AAE24384 standard; protein; 108 AA.  
 DE Human prokineticin 2 precursor protein.  
 PN WO200236625-A2.  
 PD 10-MAY-2002.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 51.4%; Score 303; DB 5; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 563  
 ID ASU07602 standard; protein; 108 AA.  
 DE Human ZVEN1.  
 PN US6485938-B1.  
 PD 26-NOV-2002.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 51.4%; Score 303; DB 6; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 564  
 ID AAE36789 standard; protein; 108 AA.  
 DE Human Bv8 homologue splice variant protein.  
 PN WO2003020892-A2.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 51.4%; Score 303; DB 6; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 565  
 ID ADD69039 standard; protein; 108 AA.  
 DE Human Bv8-related protein - SEQ ID 17.  
 PN WO2003066860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 51.4%; Score 303; DB 7; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 566  
 ID ADF28067 standard; protein; 108 AA.  
 DE Human Zven 1.  
 PN US2003148317-A1.  
 PD 07-AUG-2003.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 51.4%; Score 303; DB 7; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 567  
 ID ABG75087 standard; protein; 108 AA.  
 DE Human prokineticin 2 (PROK2).  
 PN WO2003083073-A2.  
 PD 09-OCT-2003.  
 PA (FARB ) BAYER PHARM CORP.  
 Query Match 51.4%; Score 303; DB 7; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 568  
 ID ADJ71811 standard; protein; 108 AA.  
 DE Human prokineticin 2 protein.  
 PN WO2003040326-A2.

PD 15-MAY-2003.  
 PA (HYSE-) HYSEQ INC.  
 Query Match 51.4%; Score 303; DB 7; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 569  
 ID ADN41839 standard; protein; 108 AA.  
 DE Amino acid sequence of a human Zven1 polypeptide.  
 PN WO2004032850-A2.  
 PD 22-APR-2004.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 51.4%; Score 303; DB 8; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 570  
 ID ADO24421 standard; protein; 108 AA.  
 DE Human PRO28691 protein SEQ ID NO:60.  
 PN WO2004043397-A2.  
 PD 27-MAY-2004.  
 PA (GETH ) GENENTECH INC.  
 Query Match 51.4%; Score 303; DB 8; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 571  
 ID ADS86957 standard; protein; 108 AA.  
 DE Human Zven1 protein.  
 PN WO2004031367-A2.  
 PD 15-APR-2004.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 51.4%; Score 303; DB 8; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 572  
 ID ADS00460 standard; protein; 108 AA.  
 DE Human Bv8 homologue variant #2, SEQ ID 4.  
 PN WO2004081229-A2.  
 PD 23-SEP-2004.  
 PA (GETH ) GENENTECH INC.  
 Query Match 51.4%; Score 303; DB 8; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 573  
 ID ADS86495 standard; protein; 108 AA.  
 DE Human Bv8 protein related to eating disorders & obesity Seq 27.  
 PN WO2004084945-A1.  
 PD 07-OCT-2004.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 51.4%; Score 303; DB 8; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 574  
 ID ADS75496 standard; protein; 108 AA.  
 DE Human prokineticin 1 receptor protein isoform 2.  
 PN WO2004087054-A2.  
 PD 14-OCT-2004.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 51.4%; Score 303; DB 8; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 575  
 ID AEA23706 standard; protein; 108 AA.  
 DE Human PRO polypeptide SEQ ID NO 248.  
 PN WO2005051988-A2.  
 PD 09-JUN-2005.  
 PA (GETH ) GENENTECH INC.  
 Query Match 51.4%; Score 303; DB 9; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 576  
 ID AEA45585 standard; protein; 108 AA.  
 DE Human Zven1 protein, SEQ ID NO: 2.  
 PN US2005153322-A1.  
 PD 14-JUL-2005.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 51.4%; Score 303; DB 9; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 577  
 ID AED08085 standard; protein; 108 AA.  
 DE Human Zven1 protein.  
 PN US2005214800-A1.  
 PD 29-SEP-2005.

PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 51.4%; Score 303; DB 9; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 6e-24;  
 RESULT 578  
 ID ADN41861 standard; protein; 116 AA.  
 DE Amino acid sequence of a human Zven1 with Glu-Glu tag and Gly linker.  
 PN WO2004032850-A2.  
 PD 22-APR-2004.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 51.4%; Score 303; DB 8; Length 116;  
 Best Local Similarity 55.2%; Pred. No. 6.5e-24;  
 RESULT 579  
 ID ADS86981 standard; protein; 116 AA.  
 DE Human Zven1 protein expressed in baculovirus cell expression system.  
 PN WO2004031367-A2.  
 PD 15-APR-2004.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 51.4%; Score 303; DB 8; Length 116;  
 Best Local Similarity 55.2%; Pred. No. 6.5e-24;  
 RESULT 580  
 ID ADZ88897 standard; protein; 108 AA.  
 DE Rhesus monkey prokineticin receptor 2.  
 PN WO2005042717-A2.  
 PD 12-MAY-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 50.9%; Score 300; DB 9; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 1.2e-23;  
 RESULT 581  
 ID AED00594 standard; protein; 108 AA.  
 DE Rhesus monkey prokineticin receptor 2 (PKR2) SEQ ID NO 6.  
 PN WO2005091925-A2.  
 PD 06-OCT-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 50.9%; Score 300; DB 9; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 1.2e-23;  
 RESULT 582  
 ID ABG94408 standard; protein; 107 AA.  
 DE Mouse GPCR ligand Bv8 protein.  
 PN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 50.6%; Score 298; DB 5; Length 107;  
 Best Local Similarity 49.0%; Pred. No. 2e-23;  
 RESULT 583  
 ID ABG94401 standard; protein; 107 AA.  
 DE Rat GPCR ligand Bv8 protein sequence #1.  
 PN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 50.6%; Score 298; DB 5; Length 107;  
 Best Local Similarity 54.0%; Pred. No. 2e-23;  
 RESULT 584  
 ID ABB06962 standard; protein; 107 AA.  
 DE Rat G protein-coupled receptor protein sequence SEQ ID NO:69.  
 PN WO200216607-A1.  
 PD 28-FEB-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 50.6%; Score 298; DB 5; Length 107;  
 Best Local Similarity 54.0%; Pred. No. 2e-23;  
 RESULT 585  
 ID AAE36790 standard; protein; 107 AA.  
 DE Mouse Bv8 homologue protein.  
 PN WO2003020892-A2.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 50.6%; Score 298; DB 6; Length 107;  
 Best Local Similarity 49.0%; Pred. No. 2e-23;  
 RESULT 586  
 ID ADD69059 standard; protein; 107 AA.  
 DE Rat Bv8-related protein - SEQ ID 37.  
 PN WO2003066860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.

Query Match 50.6%; Score 298; DB 7; Length 107;  
 Best Local Similarity 54.0%; Pred. No. 2e-23;  
 RESULT 587  
 ID ADD69077 standard; protein; 107 AA.  
 DE Murine Bv8-related protein - SEQ ID 55.  
 PN WO2003066860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 50.6%; Score 298; DB 7; Length 107;  
 Best Local Similarity 49.0%; Pred. No. 2e-23;  
 RESULT 588  
 ID ADS00462 standard; protein; 107 AA.  
 DE Murine Bv8 homologue, SEQ ID 6.  
 PN WO2004081229-A2.  
 PD 23-SEP-2004.  
 PA (GETH ) GENENTECH INC.  
 Query Match 50.6%; Score 298; DB 8; Length 107;  
 Best Local Similarity 49.0%; Pred. No. 2e-23;  
 RESULT 589  
 ID ADS86500 standard; protein; 107 AA.  
 DE Rat Bv8 protein related to eating disorders & obesity Seq 32.  
 PN WO2004084945-A1.  
 PD 07-OCT-2004.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 50.6%; Score 298; DB 8; Length 107;  
 Best Local Similarity 54.0%; Pred. No. 2e-23;  
 RESULT 590  
 ID ADS86502 standard; protein; 107 AA.  
 DE Murine Bv8 peptide DNA related to eating disorders & obesity Seq 34.  
 PN WO2004084945-A1.  
 PD 07-OCT-2004.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 50.6%; Score 298; DB 8; Length 107;  
 Best Local Similarity 49.0%; Pred. No. 2e-23;  
 RESULT 591  
 ID AEL00451 standard; protein; 116 AA.  
 DE Recombinant N-terminal FLAG-tagged human prokineticin-2.  
 PN WO2006104713-A1.  
 PD 05-OCT-2006.  
 PA (JANC ) JANSSEN PHARM NV.  
 PA (MISK ) MISKOWSKI T A.  
 Query Match 49.9%; Score 294; DB 10; Length 116;  
 Best Local Similarity 58.2%; Pred. No. 5.8e-23;  
 RESULT 592  
 ID ABG94400 standard; protein; 80 AA.  
 DE C-terminal Lys truncated human GPCR ligand Bv8 protein.  
 PN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 49.4%; Score 291; DB 5; Length 80;  
 Best Local Similarity 58.4%; Pred. No. 8.1e-23;  
 RESULT 593  
 ID ADB69044 standard; protein; 80 AA.  
 DE Human Bv8-related protein - SEQ ID 22.  
 PN WO2003066860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 49.4%; Score 291; DB 7; Length 80;  
 Best Local Similarity 58.4%; Pred. No. 8.1e-23;  
 RESULT 594  
 ID ABG94398 standard; protein; 81 AA.  
 DE Human GPCR ligand Bv8 protein sequence #2.  
 PN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 49.4%; Score 291; DB 5; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 595  
 ID AA015530 standard; protein; 81 AA.  
 DE Human physiologically-active ZAQ ligand-related protein 5.  
 PN WO200257443-A1.  
 PD 25-JUL-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.

Query Match 49.4%; Score 291; DB 5; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 596  
 ID AAE24385 standard; protein; 81 AA.  
 DE Human prokineticin 2 mature protein.  
 PN WO200236625-A2.  
 PD 10-MAY-2002.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 49.4%; Score 291; DB 5; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 597  
 ID ADD69041 standard; protein; 81 AA.  
 DE Human Bv8-related protein - SEQ ID 19.  
 PN WO2003066860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 49.4%; Score 291; DB 7; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 598  
 ID ADO05356 standard; protein; 81 AA.  
 DE Human major prokineticin 2 (PK2), SEQ ID NO:5.  
 PN WO2003088904-A2.  
 PD 30-OCT-2003.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 49.4%; Score 291; DB 7; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 599  
 ID ADN43258 standard; protein; 81 AA.  
 DE Amino acid sequence of human prokineticin 2 (PK2) isoform 2.  
 PN WO2004032851-A2.  
 PD 22-APR-2004.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 49.4%; Score 291; DB 8; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 600  
 ID ADR24005 standard; protein; 81 AA.  
 DE Human ZAQ-1 ligand-associated protein.  
 PN WO2004065419-A1.  
 PD 03-AUG-2004.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 49.4%; Score 291; DB 8; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 601  
 ID ADS86493 standard; protein; 81 AA.  
 DE Human Bv8 protein related to eating disorders & obesity Seq 25.  
 PN WO2004084945-A1.  
 PD 07-OCT-2004.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 49.4%; Score 291; DB 8; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 602  
 ID ADS75497 standard; protein; 81 AA.  
 DE Human prokineticin 1 receptor protein isoform 1.  
 PN WO2004087054-A2.  
 PD 14-OCT-2004.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 49.4%; Score 291; DB 8; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 603  
 ID ADW00755 standard; protein; 81 AA.  
 DE Amino acid sequence of human prokineticin 2 (PK2).  
 PN WO2004113361-A2.  
 PD 29-DEC-2004.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 49.4%; Score 291; DB 9; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 604  
 ID ADZ88900 standard; protein; 81 AA.  
 DE Human prokineticin 2.  
 PN WO2005042717-A2.  
 PD 12-MAY-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 49.4%; Score 291; DB 9; Length 81;

Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 605  
 ID ADZ58574 standard; protein; 81 AA.  
 DE Human ZAQ-2 amino acid sequence - SEQ ID 1.  
 PN WO2005037870-A1.  
 PD 28-APR-2005.  
 PA (TAKE ) TAKEDA PHARM CO LTD.  
 Query Match 49.4%; Score 291; DB 9; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 606  
 ID AEB45593 standard; protein; 81 AA.  
 DE Human zvenil protein fragment.  
 PN US2005153322-A1.  
 PD 14-JUL-2005.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 49.4%; Score 291; DB 9; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 607  
 ID AED00597 standard; protein; 81 AA.  
 DE Human prokineticin receptor 2 (PKR2) SEQ ID NO 9.  
 PN WO2005091925-A2.  
 PD 06-OCT-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 49.4%; Score 291; DB 9; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 608  
 ID AEJ43363 standard; protein; 81 AA.  
 DE Human prokineticin 2 (PK2) protein, SEQ ID NO: 5.  
 PN US2006172935-A1.  
 PD 03-AUG-2006.  
 PA (ZHOU/) ZHOU Q.  
 PA (BULL/) BULLOCK C M.  
 PA (STEG/) SIEGEL J.  
 Query Match 49.4%; Score 291; DB 10; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 8.2e-23;  
 RESULT 609  
 ID ADJ71813 standard; protein; 96 AA.  
 DE Toad Bv8 protein.  
 PN WO2003040326-A2.  
 PD 15-MAY-2003.  
 PA (HYSE-) HYSEQ INC.  
 Query Match 48.8%; Score 287.5; DB 7; Length 96;  
 Best Local Similarity 50.5%; Pred. No. 2.3e-22;  
 RESULT 610  
 ID ADS75502 standard; protein; 96 AA.  
 DE Modified frog prokineticin receptor, Bv8.  
 PN WO2004087054-A2.  
 PD 14-OCT-2004.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 48.8%; Score 287.5; DB 8; Length 96;  
 Best Local Similarity 50.5%; Pred. No. 2.3e-22;  
 RESULT 611  
 ID ADZ88901 standard; protein; 80 AA.  
 DE Mouse prokineticin 2.  
 PN WO2005042717-A2.  
 PD 12-MAY-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 48.6%; Score 286; DB 9; Length 80;  
 Best Local Similarity 57.1%; Pred. No. 2.7e-22;  
 RESULT 612  
 ID AED00598 standard; protein; 80 AA.  
 DE Mouse/rat prokineticin receptor 2 (PKR2) SEQ ID NO 10.  
 PN WO2005091925-A2.  
 PD 06-OCT-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 48.6%; Score 286; DB 9; Length 80;  
 Best Local Similarity 57.1%; Pred. No. 2.7e-22;  
 RESULT 613  
 ID ABG94402 standard; protein; 81 AA.  
 DE Rat GPCR ligand Bv8 protein sequence #2.  
 PN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.

Query Match  
Best Local Similarity 48.6%; Score 286; DB 5; Length 81;  
RESULT 614  
ID ABE06963 standard; protein; 81 AA.  
DE Rat G protein-coupled receptor protein sequence SEQ ID NO:71.  
PN WO200216607-A1.  
PD 28-FEB-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match  
Best Local Similarity 48.6%; Score 286; DB 5; Length 81;  
RESULT 615  
ID ADD69061 standard; protein; 81 AA.  
DE Rat Bv8-related protein - SEQ ID 39.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match  
Best Local Similarity 48.6%; Score 286; DB 7; Length 81;  
RESULT 616  
ID ADO05358 standard; protein; 81 AA.  
DE Mouse major prokineticin 2 (PK2), SEQ ID NO:7.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match  
Best Local Similarity 48.6%; Score 286; DB 7; Length 81;  
RESULT 617  
ID ADN43260 standard; protein; 81 AA.  
DE Amino acid sequence of murine prokineticin 2 (PK2).  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match  
Best Local Similarity 48.6%; Score 286; DB 8; Length 81;  
RESULT 618  
ID ADN43262 standard; protein; 81 AA.  
DE Amino acid sequence of rat prokineticin 2 (PK2).  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match  
Best Local Similarity 48.6%; Score 286; DB 8; Length 81;  
RESULT 619  
ID ADS86497 standard; protein; 81 AA.  
DE Rat/ murine Bv8 protein related to eating disorders & obesity Seq 29.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match  
Best Local Similarity 48.6%; Score 286; DB 8; Length 81;  
RESULT 620  
ID ADS75520 standard; protein; 81 AA.  
DE Modified mouse prokineticin 2 receptor, SEQ ID 29.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match  
Best Local Similarity 48.6%; Score 286; DB 8; Length 81;  
RESULT 621  
ID ADS75522 standard; protein; 81 AA.  
DE Modified rat prokineticin 2 receptor, SEQ ID 31.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match  
Best Local Similarity 48.6%; Score 286; DB 8; Length 81;  
RESULT 622  
ID ADW00757 standard; protein; 81 AA.  
DE Amino acid sequence of murine prokineticin 2 (PK2).  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match  
Best Local Similarity 48.6%; Score 286; DB 9; Length 81;

Best Local Similarity 57.1%; Pred. No. 2.7e-22;  
RESULT 623  
ID AEJ43365 standard; protein; 81 AA.  
DE Mouse prokineticin 2 (PK2) protein, SEQ ID NO: 7.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match  
Best Local Similarity 48.6%; Score 286; DB 10; Length 81;  
RESULT 624  
ID ADJ71808 standard; protein; 124 AA.  
DE Human Bv8 protein.  
PN WO2003040326-A2.  
PD 15-MAY-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match  
Best Local Similarity 48.0%; Score 282.5; DB 7; Length 124;  
RESULT 625  
ID AAE36788 standard; protein; 129 AA.  
DE Human Bv8 homologue protein.  
PN WO2003020892-A2.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 48.0%; Score 282.5; DB 6; Length 129;  
RESULT 626  
ID ADJ71815 standard; protein; 129 AA.  
DE Human prokineticin 2 precursor protein.  
PN WO2003040326-A2.  
PD 15-MAY-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match  
Best Local Similarity 48.0%; Score 282.5; DB 7; Length 129;  
RESULT 627  
ID ADN41864 standard; protein; 129 AA.  
DE Amino acid sequence of a longer human Zven1 polypeptide.  
PN WO2004032850-A2.  
PD 22-APR-2004.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match  
Best Local Similarity 48.0%; Score 282.5; DB 8; Length 129;  
RESULT 628  
ID ADS86984 standard; protein; 129 AA.  
DE Human Zven1 protein longer form.  
PN WO2004031367-A2.  
PD 15-APR-2004.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match  
Best Local Similarity 48.0%; Score 282.5; DB 8; Length 129;  
RESULT 629  
ID ADS00458 standard; protein; 129 AA.  
DE Human Bv8 homologue variant #1, SEQ ID 2.  
PN WO2004081229-A2.  
PD 23-SEP-2004.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 48.0%; Score 282.5; DB 8; Length 129;  
RESULT 630  
ID ADN43265 standard; protein; 77 AA.  
DE Amino acid sequence of a Bv8 homologue.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match  
Best Local Similarity 47.3%; Score 278.5; DB 8; Length 77;  
RESULT 631  
ID ADS75523 standard; protein; 77 AA.  
DE Modified toad prokineticin receptor.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.

Query Match 47.3%; Score 278.5; DB 8; Length 77;  
Best Local Similarity 61.5%; Pred. No. 1.6e-21;  
RESULT 632  
ID ADJ71809 standard; protein; 128 AA.  
DE Mouse Bv8 variant 1 protein.  
PN WO2003040326-A2.  
PD 15-MAY-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 47.1%; Score 277.5; DB 7; Length 128;  
Best Local Similarity 40.7%; Pred. No. 3.5e-21;  
RESULT 633  
ID ADN43257 standard; protein; 102 AA.  
DE Amino acid sequence of human prokineticin 2 (PK2) isoform 1.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 45.9%; Score 270.5; DB 8; Length 102;  
Best Local Similarity 45.9%; Pred. No. 1.5e-20;  
RESULT 634  
ID ADN43264 standard; protein; 77 AA.  
DE Amino acid sequence of Bv8.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 45.4%; Score 267.5; DB 7; Length 77;  
Best Local Similarity 57.7%; Pred. No. 2.3e-20;  
RESULT 635  
ID ADN43264 standard; protein; 77 AA.  
DE Amino acid sequence of Bv8.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 45.4%; Score 267.5; DB 8; Length 77;  
Best Local Similarity 57.7%; Pred. No. 2.3e-20;  
RESULT 636  
ID ADN43264 standard; protein; 77 AA.  
DE Amino acid sequence of frog Bv8.  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 45.4%; Score 267.5; DB 9; Length 77;  
Best Local Similarity 57.7%; Pred. No. 2.3e-20;  
RESULT 637  
ID AD288905 standard; protein; 77 AA.  
DE Frog prokineticin 1 homologue, Bv8.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 45.4%; Score 267.5; DB 9; Length 77;  
Best Local Similarity 57.7%; Pred. No. 2.3e-20;  
RESULT 638  
ID AED00602 standard; protein; 77 AA.  
DE Frog Bv8 SEQ ID NO 14.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 45.4%; Score 267.5; DB 9; Length 77;  
Best Local Similarity 57.7%; Pred. No. 2.3e-20;  
RESULT 639  
ID AEJ43369 standard; protein; 77 AA.  
DE Frog Bv8 protein, SEQ ID NO: 11.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU//) ZHOU Q.  
PA (BULL//) BULLOCK C M.  
PA (SIEG//) SIEGEL J.  
Query Match 45.4%; Score 267.5; DB 10; Length 77;  
Best Local Similarity 57.7%; Pred. No. 2.3e-20;  
RESULT 640  
ID ADO05359 standard; protein; 102 AA.  
DE Mouse minor prokineticin 2 (PK2), SEQ ID NO:8.  
PN WO2003088904-A2.  
PD 30-OCT-2003.

PA (REGC) UNIV CALIFORNIA.  
Query Match 45.1%; Score 265.5; DB 7; Length 102;  
Best Local Similarity 44.9%; Pred. No. 5.1e-20;  
RESULT 641  
ID ADM00758 standard; protein; 102 AA.  
DE Amino acid sequence of murine prokineticin 2 (PK2).  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 45.1%; Score 265.5; DB 9; Length 102;  
Best Local Similarity 44.9%; Pred. No. 5.1e-20;  
RESULT 642  
ID AEJ43366 standard; protein; 102 AA.  
DE Mouse prokineticin 2 (PK2) protein, SEQ ID NO: 8.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU//) ZHOU Q.  
PA (BULL//) BULLOCK C M.  
PA (SIEG//) SIEGEL J.  
Query Match 45.1%; Score 265.5; DB 10; Length 102;  
Best Local Similarity 44.9%; Pred. No. 5.1e-20;  
RESULT 643  
ID ADF17105 standard; peptide; 77 AA.  
DE Bombina maxima neurotrophic peptide.  
PN CN1390849-A.  
PD 15-JAN-2003.  
PA (KUNM-) KUNMING ZOOLOGY INST CHINESE ACAD SCI.  
Query Match 43.2%; Score 254.5; DB 7; Length 77;  
Best Local Similarity 56.4%; Pred. No. 5.4e-19;  
RESULT 644  
ID ADO05357 standard; protein; 100 AA.  
DE Human tissue specific (testis) prokineticin 2 (PK2), SEQ ID NO:6.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 42.7%; Score 251.5; DB 7; Length 100;  
Best Local Similarity 44.9%; Pred. No. 1.5e-18;  
RESULT 645  
ID ADM00756 standard; protein; 100 AA.  
DE Amino acid sequence of human prokineticin 2 (PK2).  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 42.7%; Score 251.5; DB 9; Length 100;  
Best Local Similarity 44.9%; Pred. No. 1.5e-18;  
RESULT 646  
ID AEJ43364 standard; protein; 100 AA.  
DE Human prokineticin 2 (PK2) protein, SEQ ID NO: 6.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU//) ZHOU Q.  
PA (BULL//) BULLOCK C M.  
PA (SIEG//) SIEGEL J.  
Query Match 42.7%; Score 251.5; DB 10; Length 100;  
Best Local Similarity 44.9%; Pred. No. 1.5e-18;  
RESULT 647  
ID ADO05363 standard; protein; 75 AA.  
DE Toad prokineticin orthologue Bv8, SEQ ID NO:12.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 42.5%; Score 250.5; DB 7; Length 75;  
Best Local Similarity 56.4%; Pred. No. 1.4e-18;  
RESULT 648  
ID ADM00762 standard; protein; 75 AA.  
DE Amino acid sequence of toad Bv8.  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 42.5%; Score 250.5; DB 9; Length 75;  
Best Local Similarity 56.4%; Pred. No. 1.4e-18;  
RESULT 649  
ID AD288904 standard; protein; 75 AA.

DE Toad prokineticin 1 homologue, BV8.  
FN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 42.5%; Score 250.5; DB 9; Length 75;  
Best Local Similarity 56.4%; Pred. No. 1.4e-18;  
RESULT 650  
ID AED00601 standard; protein; 75 AA.  
DE Toad bv8 SEQ ID NO 13.  
FN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 42.5%; Score 250.5; DB 9; Length 75;  
Best Local Similarity 56.4%; Pred. No. 1.4e-18;  
RESULT 651  
ID AEU43370 standard; protein; 75 AA.  
DE Toad BV8 protein, SEQ ID NO: 12.  
FN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 42.5%; Score 250.5; DB 10; Length 75;  
Best Local Similarity 56.4%; Pred. No. 1.4e-18;  
RESULT 652  
ID AD160152 standard; protein; 126 AA.  
DE Secreted polypeptide #36.  
FN WO2003025142-A2.  
PD 27-MAR-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 40.2%; Score 237; DB 7; Length 126;  
Best Local Similarity 42.6%; Pred. No. 6.4e-17;  
RESULT 653  
ID ADJ71800 standard; protein; 126 AA.  
DE Human prokineticin-like protein.  
FN WO2003040326-A2.  
PD 15-MAY-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 40.2%; Score 237; DB 7; Length 126;  
Best Local Similarity 42.6%; Pred. No. 6.4e-17;  
RESULT 654  
ID AED53711 standard; peptide; 56 AA.  
DE Amino acid sequence of human PK2beta peptide.  
FN WO2005097826-A2.  
PD 20-OCT-2005.  
PA (JANC ) JANSSEN PHARM NV.  
Query Match 31.6%; Score 186; DB 9; Length 56;  
Best Local Similarity 52.7%; Pred. No. 6.4e-12;  
RESULT 655  
ID AED53712 standard; peptide; 56 AA.  
DE Amino acid sequence of human PK2beta peptide #2.  
FN WO2005097826-A2.  
PD 20-OCT-2005.  
PA (JANC ) JANSSEN PHARM NV.  
Query Match 31.2%; Score 184; DB 9; Length 56;  
Best Local Similarity 57.4%; Pred. No. 1e-11;  
RESULT 656  
ID AAO27072 standard; peptide; 30 AA.  
DE Monkey AXOR8 receptor N-terminal peptide, SEQ ID NO 20.  
FN GB2378183-A.  
PD 05-FEB-2003.  
PA (SMIK ) SMITHKLINE BEECHAM CORP.  
PA (SMIK ) SMITHKLINE BEECHAM PLC.  
Query Match 26.5%; Score 156; DB 6; Length 30;  
Best Local Similarity 90.0%; Pred. No. 4.8e-09;  
RESULT 657  
ID AEA18405 standard; peptide; 24 AA.  
DE R. saharaica insulin releasing peptide #1.  
FN WO2005047316-A2.  
PD 26-MAY-2005.  
PA (UYUL-) UNIV ULSTER.  
Query Match 20.4%; Score 120; DB 9; Length 24;  
Best Local Similarity 91.3%; Pred. No. 2.4e-05;

RESULT 658  
ID AAY4934 standard; protein; 271 AA.  
DE Human dickkopf-1 homolog 3 protein.  
FN WO200006714-A1.  
PD 10-FEB-2000.  
PA (ELIL ) LILLY & CO ELI.  
Query Match 19.0%; Score 112; DB 3; Length 271;  
Best Local Similarity 32.9%; Pred. No. 0.0021;  
RESULT 659  
ID ADF28074 standard; peptide; 23 AA.  
DE Human zven polypeptide motif #2.  
FN US2003148317-A1.  
PD 07-AUG-2003.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 18.5%; Score 109; DB 7; Length 23;  
Best Local Similarity 73.9%; Pred. No. 0.00033;  
RESULT 660  
ID ADN41845 standard; peptide; 23 AA.  
DE Motif found in Zven1 and Zven1 polypeptides.  
FN WO2004032850-A2.  
PD 22-APR-2004.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 18.5%; Score 109; DB 8; Length 23;  
Best Local Similarity 73.9%; Pred. No. 0.00033;  
RESULT 661  
ID ADS86964 standard; peptide; 23 AA.  
DE Human Zven protein motif #2.  
FN WO2004031367-A2.  
PD 15-APR-2004.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 18.5%; Score 109; DB 8; Length 23;  
Best Local Similarity 73.9%; Pred. No. 0.00033;  
RESULT 662  
ID AEB45592 standard; peptide; 23 AA.  
DE Human Zven1 and Zven2 motif peptide, SEQ ID NO: 9.  
FN US2005153322-A1.  
PD 14-JUL-2005.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 18.5%; Score 109; DB 9; Length 23;  
Best Local Similarity 73.9%; Pred. No. 0.00033;  
RESULT 663  
ID AED08092 standard; peptide; 23 AA.  
DE Human Zven1/Zven2 motif peptide - SEQ ID 9.  
FN US2005214800-A1.  
PD 29-SEP-2005.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 18.5%; Score 109; DB 9; Length 23;  
Best Local Similarity 73.9%; Pred. No. 0.00033;  
RESULT 664  
ID AEA16257 standard; protein; 221 AA.  
DE Mouse Dickkopf-4 (Dkk-4) protein.  
FN WO2005049797-A2.  
PD 02-JUN-2005.  
PA (MERI ) MERCK & CO INC.  
Query Match 18.4%; Score 108.5; DB 9; Length 221;  
Best Local Similarity 35.5%; Pred. No. 0.004;  
RESULT 665  
ID AEC06122 standard; peptide; 18 AA.  
DE Human EG-VEGF peptide (amino acids 50-67).  
FN WO2005076972-A2.  
PD 25-AUG-2005.  
PA (OHIS ) UNIV OHIO STATE RES FOUND.  
Query Match 18.3%; Score 108; DB 9; Length 18;  
Best Local Similarity 100.0%; Pred. No. 0.00032;  
RESULT 666  
ID ADI60388 standard; protein; 40 AA.  
DE Secreted polypeptide encoded by gene splice variant #24.  
FN WO2003025142-A2.  
PD 27-MAR-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 18.3%; Score 108; DB 7; Length 40;  
Best Local Similarity 58.1%; Pred. No. 0.00075;  
RESULT 667



ID ADJ71801 standard; protein; 40 AA.  
 DE Human prokineticin-like protein.  
 PN WO2003040326-A2.  
 PD 15-MAY-2003.  
 PA (HYSE-) HYSEQ INC. 18.3%; Score 108; DB 7; Length 40;  
 Query Match  
 Best Local Similarity 58.1%; Pred. No. 0.00075;  
 RESULT 668  
 ID ADE28655 standard; protein; 161 AA.  
 DE Human NOV9c protein - SEQ ID 32.  
 PN WO2003040330-A2.  
 PD 15-MAY-2003.  
 PA (CURA-) CURAGEN CORP. 18.3%; Score 107.5; DB 7; Length 161;  
 Query Match  
 Best Local Similarity 35.5%; Pred. No. 0.0037;  
 RESULT 669  
 ID ADM93400 standard; protein; 161 AA.  
 DE Human NOVX polypeptide #16.  
 PN US2004067882-A1.  
 PD 08-APR-2004.  
 PA (ALSO/) ALSOBROOK J P.  
 PA (ALVA/) ALVAREZ E.  
 PA (ANDE/) ANDERSON D W.  
 PA (BARO/) BARON M.  
 PA (BOLD/) BOLDOG F L.  
 PA (BURG/) BURGESS C E.  
 PA (CASM/) CASMAN S J.  
 PA (CHAP/) CHAPOVAL A.  
 PA (DHAN/) DHANABAL M.  
 PA (EDIN/) EDINGER S R.  
 PA (EISE/) EISEN A.  
 PA (ELLE/) ELLERMAN K.  
 PA (ETTE/) ETTEMBERG S.  
 PA (GANG/) GANGOLLI E A.  
 PA (GERL/) GERLACH V.  
 PA (GORM/) GORMAN L.  
 PA (GROS/) GROSSE W M.  
 PA (GUOX/) GUO X.  
 PA (HACK/) HACKETT C.  
 PA (JIWV/) JI W.  
 PA (KEKU/) KEKUDA R.  
 PA (KHRA/) KHRAMTSOV N V.  
 PA (LEPL/) LEPLEY D M.  
 PA (LILL/) LI L.  
 PA (MACD/) MACDOUGALL J R.  
 PA (MALY/) MALYANKAR U M.  
 PA (MAZU/) MAZUR A.  
 PA (MCQU/) MCQUEENEY K.  
 PA (MEZE/) MEZES P S.  
 PA (MILL/) MILLER C E.  
 PA (MISH/) MISHRA V.  
 PA (PADI/) PADIGARU M.  
 PA (PATI/) PATTURAJAN M.  
 PA (PENA/) PENNA C E A.  
 PA (PEYM/) PEYMAN J A.  
 PA (RAST/) RASTELLI L.  
 PA (RIEG/) RIEGER D K.  
 PA (ROTH/) ROTHENBERG M E.  
 PA (SHEN/) SHENOY S G.  
 PA (SHIM/) SHIMKETS R A.  
 PA (SMIT/) SMITHSON G.  
 PA (SPAD/) SPADERNA S K.  
 PA (STAR/) STARLING G.  
 PA (SPYT/) SPYTEK K A.  
 PA (STON/) STONE D J.  
 PA (TCHER/) TCHERNEV V T.  
 PA (TWOM/) TWOMLOW N.  
 PA (VERN/) VERNET C A M.  
 PA (ZERH/) ZERHUSEN B D.  
 PA (VOSS/) VOSS E Z.  
 PA (ZHON/) ZHONG M.  
 Query Match  
 Best Local Similarity 18.3%; Score 107.5; DB 8; Length 161;

Best Local Similarity 35.5%; Pred. No. 0.0037;  
 RESULT 670  
 ID ADE28653 standard; protein; 173 AA.  
 DE Human NOV9b protein - SEQ ID 30.  
 PN WO2003040330-A2.  
 PD 15-MAY-2003.  
 PA (CURA-) CURAGEN CORP. 18.3%; Score 107.5; DB 7; Length 173;  
 Query Match  
 Best Local Similarity 35.5%; Pred. No. 0.004;  
 RESULT 671  
 ID ADM93398 standard; protein; 173 AA.  
 DE Human NOVX polypeptide #15.  
 PN US2004067882-A1.  
 PD 08-APR-2004.  
 PA (ALVA/) ALVAREZ E.  
 PA (ANDE/) ANDERSON D W.  
 PA (BARO/) BARON M.  
 PA (BOLD/) BOLDOG F L.  
 PA (BURG/) BURGESS C E.  
 PA (CASM/) CASMAN S J.  
 PA (CHAP/) CHAPOVAL A.  
 PA (DHAN/) DHANABAL M.  
 PA (EDIN/) EDINGER S R.  
 PA (EISE/) EISEN A.  
 PA (ELLE/) ELLERMAN K.  
 PA (ETTE/) ETTEMBERG S.  
 PA (GANG/) GANGOLLI E A.  
 PA (GERL/) GERLACH V.  
 PA (GORM/) GORMAN L.  
 PA (GROS/) GROSSE W M.  
 PA (GUOX/) GUO X.  
 PA (HACK/) HACKETT C.  
 PA (JIWV/) JI W.  
 PA (KEKU/) KEKUDA R.  
 PA (KHRA/) KHRAMTSOV N V.  
 PA (LEPL/) LEPLEY D M.  
 PA (LILL/) LI L.  
 PA (MACD/) MACDOUGALL J R.  
 PA (MALY/) MALYANKAR U M.  
 PA (MAZU/) MAZUR A.  
 PA (MCQU/) MCQUEENEY K.  
 PA (MEZE/) MEZES P S.  
 PA (MILL/) MILLER C E.  
 PA (MISH/) MISHRA V.  
 PA (PADI/) PADIGARU M.  
 PA (PATI/) PATTURAJAN M.  
 PA (PENA/) PENNA C E A.  
 PA (PEYM/) PEYMAN J A.  
 PA (RAST/) RASTELLI L.  
 PA (RIEG/) RIEGER D K.  
 PA (ROTH/) ROTHENBERG M E.  
 PA (SHEN/) SHENOY S G.  
 PA (SHIM/) SHIMKETS R A.  
 PA (SMIT/) SMITHSON G.  
 PA (SPAD/) SPADERNA S K.  
 PA (STAR/) STARLING G.  
 PA (SPYT/) SPYTEK K A.  
 PA (STON/) STONE D J.  
 PA (TCHER/) TCHERNEV V T.  
 PA (TWOM/) TWOMLOW N.  
 PA (VERN/) VERNET C A M.  
 PA (ZERH/) ZERHUSEN B D.  
 PA (VOSS/) VOSS E Z.  
 PA (ZHON/) ZHONG M.  
 Query Match  
 Best Local Similarity 18.3%; Score 107.5; DB 8; Length 173;  
 RESULT 672  
 ID ADE28657 standard; protein; 180 AA.  
 DE Human NOV9d protein - SEQ ID 34.  
 PN WO2003040330-A2.  
 PD 15-MAY-2003.

PA (CURA-) CURAGEN CORP. 18.3%; Score 107.5; DB 7; Length 180;  
Query Match Best Local Similarity 35.5%; Pred. No. 0.0041;  
RESULT 673  
ID ADM93402 standard; protein; 180 AA.  
DE Human NOVX polypeptide #17.  
DN US2004067882-A1.  
PD 08-APR-2004.  
PA (ALSO/) ALSOBROOK J P.  
PA (ALVA/) ALVAREZ E.  
PA (ANDE/) ANDERSON D W.  
PA (BARO/) BARON M.  
PA (BOLD/) BOLDOG F L.  
PA (BURG/) BURGESS C E.  
PA (CASM/) CASMAN S J.  
PA (DHAN/) CHAPOVAL A.  
PA (EDIN/) EDINGER S R.  
PA (EISE/) EISEN A.  
PA (ELLE/) ELLERMAN K.  
PA (ETTE/) ETTENBERG S.  
PA (GANG/) GANGOLLI E A.  
PA (GERL/) GERLACH V.  
PA (GORM/) GORMAN L.  
PA (GROS/) GROSSE W M.  
PA (GUOX/) GUO X.  
PA (HACK/) HACKETT C.  
PA (JIWW/) JI W.  
PA (KEKU/) KEKUDA R.  
PA (KHRA/) KHRAMTSOV N V.  
PA (LEPL/) LEPLEY D M.  
PA (LILL/) LI L.  
PA (MACD/) MACDOUGALL J R.  
PA (MALY/) MALYANKAR U M.  
PA (MAZU/) MAZUR A.  
PA (MCQU/) MCQUEENEY K.  
PA (MEZE/) MEZES P S.  
PA (MILL/) MILLER C E.  
PA (MILLET/) MILLET I.  
PA (MISH/) MISHRA V.  
PA (PADI/) PADIGARU M.  
PA (PATT/) PATTURAJAN M.  
PA (PENA/) PENA C E A.  
PA (PEYM/) PEYMAN J A.  
PA (RAST/) RASTELLI L.  
PA (RIEG/) RIEGER D K.  
PA (ROTH/) ROTHENBERG M E.  
PA (SHEN/) SHENOY S G.  
PA (SHIM/) SHIMKETS R A.  
PA (SMIT/) SMITHSON G.  
PA (SPAD/) SPADERNA S K.  
PA (STAR/) STARLING G.  
PA (SPYT/) SPYTEK K A.  
PA (STON/) STONE D J.  
PA (TCHE/) TCHERNEV V T.  
PA (TWOM/) TWOMLOW N.  
PA (VERN/) VERNET C A M.  
PA (ZERH/) ZERHUSEN B D.  
PA (VOSS/) VOSS E Z.  
PA (ZHON/) ZHONG M.  
Query Match 18.3%; Score 107.5; DB 8; Length 180;  
Best Local Similarity 35.5%; Pred. No. 0.0041;  
RESULT 674  
ID AAW73017 standard; protein; 224 AA.  
DE Human cysteine-rich secreted protein CRSP-2.  
DN WO9846755-A1.  
PD 22-OCT-1998.  
PA (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.  
Query Match 18.3%; Score 107.5; DB 2; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 675  
ID AAY92075 standard; protein; 224 AA.  
DE Human DKR-4.

PN WO200018914-A2.  
PD 06-APR-2000.  
PA (ANGE-) AMGEN INC.  
Query Match 18.3%; Score 107.5; DB 3; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 676  
ID AAB08875 standard; protein; 224 AA.  
DE Amino acid sequence of a human Dickkopf (Dkk)-4 protein.  
PN WO200052047-A2.  
PD 08-SEP-2000.  
PA (MILL-) MILLENNIUM PHARM INC.  
Query Match 18.3%; Score 107.5; DB 3; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 677  
ID ABU55916 standard; protein; 224 AA.  
DE Human protein DKK4.  
PN WO200277204-A2.  
PD 03-OCT-2002.  
PA (AXOR-) AXORDIA LTD.  
Query Match 18.3%; Score 107.5; DB 6; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 678  
ID AAB34070 standard; protein; 224 AA.  
DE DKK 4 protein.  
PN WO200290992-A2.  
PD 14-NOV-2002.  
PA (AXOR-) AXORDIA LTD.  
Query Match 18.3%; Score 107.5; DB 6; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 679  
ID ADE28651 standard; protein; 224 AA.  
DE Human NOV9a protein - SEQ ID 28.  
PN WO2003040330-A2.  
PD 15-MAY-2003.  
PA (CURA-) CURAGEN CORP.  
Query Match 18.3%; Score 107.5; DB 7; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 680  
ID ADJ68529 standard; protein; 224 AA.  
DE Human heat mitochondrial protein as a therapeutic target SeqID335.  
PN WO2003087768-A2.  
PD 23-OCT-2003.  
PA (MITO-) MITOKOR.  
PA (BUCK-) BUCK INST AGE RES.  
Query Match 18.3%; Score 107.5; DB 7; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 681  
ID ADN39310 standard; protein; 224 AA.  
DE Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:628.  
PN WO2003042661-A2.  
PD 22-MAY-2003.  
PA (EOSB-) EOS BIOTECHNOLOGY INC.  
Query Match 18.3%; Score 107.5; DB 7; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 682  
ID ADM93396 standard; protein; 224 AA.  
DE Human NOVX polypeptide #14.  
PN US2004067882-A1.  
PD 08-APR-2004.  
PA (ALSO/) ALSOBROOK J P.  
PA (ALVA/) ALVAREZ E.  
PA (ANDE/) ANDERSON D W.  
PA (BARO/) BARON M.  
PA (BOLD/) BOLDOG F L.  
PA (BURG/) BURGESS C E.  
PA (CASM/) CASMAN S J.  
PA (CHAP/) CHAPOVAL A.  
PA (DHAN/) DHANABAL M.  
PA (EDIN/) EDINGER S R.  
PA (EISE/) EISEN A.  
PA (ELLE/) ELLERMAN K.  
PA (ETTE/) ETTENBERG S.  
PA (GANG/) GANGOLLI E A.

PA (GERL/) GERLACH V.  
PA (GORM/) GORMAN L.  
PA (GROS/) GROSSE W M.  
PA (GUOX/) GUO X.  
PA (HACK/) HACKETT C.  
PA (JIWW/) JI W.  
PA (KEKU/) KHRAMTSOV N V.  
PA (KEKU/) KERUDA R.  
PA (LEPL/) LEPLEY D M.  
PA (LILL/) LI L.  
PA (MACD/) MACDOUGALL J R.  
PA (MAZY/) MALYANKAR U M.  
PA (MAZU/) MAZUR A.  
PA (MCOU/) MCOUEENEY K.  
PA (MEZE/) MEZES P S.  
PA (MILL/) MILLER C E.  
PA (MILL/) MILLET I.  
PA (MISH/) MISHRA V.  
PA (PADI/) PADIGARU M.  
PA (PATT/) PATTURAJAN M.  
PA (PENA/) PENA C E A.  
PA (PEYM/) PEYMAN J A.  
PA (RAST/) RASTELLI L.  
PA (RIEG/) RIEGER D K.  
PA (ROTH/) ROTHENBERG M E.  
PA (SHEN/) SHENOY S G.  
PA (SHIM/) SHIMKETS R A.  
PA (SMIT/) SMITHSON G.  
PA (SPAD/) SPADERNA S K.  
PA (STAR/) STARLING G.  
PA (SPYT/) SPYTEK K A.  
PA (STON/) STONE D J.  
PA (TCHE/) TCHERNEV V T.  
PA (TWOM/) TWOMLOW N.  
PA (VERN/) VERNET C A M.  
PA (ZERH/) ZERHUSEN B D.  
PA (VOSS/) VOSS E Z.  
PA (ZHON/) ZHONG M.  
Query Match 18.3%; Score 107.5; DB 8; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 683  
ID AEAL6256 standard; protein; 224 AA.  
DE Human Dickkopf-4 (Dkk-4) protein.  
PN WO2005049797-A2.  
PD 02-JUN-2005.  
PA (MERI) MERCK & CO INC.  
Query Match 18.3%; Score 107.5; DB 9; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 684  
ID AEAL6254 standard; protein; 224 AA.  
DE Cynomolgus monkey Dickkopf-4 (cdkk-4) protein.  
PN WO2005049797-A2.  
PD 02-JUN-2005.  
PA (MERI) MERCK & CO INC.  
Query Match 18.3%; Score 107.5; DB 9; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 685  
ID AEI44169 standard; protein; 224 AA.  
DE Dickkopf homolog 4, DKK4, SEQ ID 2.  
PN JP2006166789-A.  
PD 29-JUN-2006.  
PA (UYHI-) UNIV HIROSHIMA.  
Query Match 18.3%; Score 107.5; DB 10; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.0052;  
RESULT 686  
ID AAW73019 standard; protein; 179 AA.  
DE Human cysteine-rich secreted protein CRSP-4.  
PN WO9846755-A1.  
PD 22-OCT-1998.  
PA (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.  
Query Match 17.3%; Score 102; DB 2; Length 179;  
Best Local Similarity 31.5%; Pred. No. 0.016;  
RESULT 687  
ID AAB08877 standard; protein; 179 AA.  
DE A partial human Dickkopf (Dkk)-2 protein.  
PN WO200052047-A2.  
PD 08-SEP-2000.  
PA (MILL-) MILLENNIUM PHARM INC.  
Query Match 17.3%; Score 102; DB 3; Length 179;  
Best Local Similarity 31.5%; Pred. No. 0.016;  
RESULT 688  
ID ADO35297 standard; protein; 179 AA.  
DE Human Dkk2 carboxy terminal cysteine rich region.  
PN US2004014209-A1.  
PD 22-JAN-2004.  
PA (LASS/) LASSAR A B.  
PA (MERC/) MERCOLA M.  
PA (GUPT/) GUPTA R.  
PA (MARV/) MARVIN M.  
PA (SCHN/) SCHNEIDER V.  
PA (TZAH/) TZAHOOR E.  
PA (BROT/) BROTT B.  
PA (SOKO/) SOKOL S.  
Query Match 17.3%; Score 102; DB 8; Length 179;  
Best Local Similarity 31.5%; Pred. No. 0.016;  
RESULT 689  
ID AAY92074 standard; protein; 207 AA.  
DE Human DKK-2 splice variant, DKR-2a.  
PN WO200018914-A2.  
PD 06-APR-2000.  
PA (AMGE-) AMGEN INC.  
Query Match 17.3%; Score 102; DB 3; Length 207;  
Best Local Similarity 31.5%; Pred. No. 0.018;  
RESULT 690  
ID AAY92073 standard; protein; 259 AA.  
DE Human DKK-2.  
PN WO200018914-A2.  
PD 06-APR-2000.  
PA (AMGE-) AMGEN INC.  
Query Match 17.3%; Score 102; DB 3; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 691  
ID AAY99360 standard; protein; 259 AA.  
DE Human PRO1316 (UNQ682) amino acid sequence SEQ ID NO:70.  
PN WO200012708-A2.  
PD 09-MAR-2000.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 3; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 692  
ID AAB66109 standard; protein; 259 AA.  
DE Protein of the invention #21.  
PN WO200078961-A1.  
PD 28-DEC-2000.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 4; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 693  
ID AAY29148 standard; protein; 259 AA.  
DE Human PRO polypeptide sequence #125.  
PN WO200168848-A2.  
PD 20-SEP-2001.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 4; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 694  
ID ABUS8524 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003027272-A1.  
PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 695  
ID ABUS8072 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032127-A1.

PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 696  
ID AB084387 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032112-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 697  
ID ABR66261 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027278-A1.  
PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 698  
ID ABR66261 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036159-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 699  
ID AB095951 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003040070-A1.  
PD 27-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 700  
ID AB082830 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032113-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 701  
ID AB089951 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036147-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 702  
ID ABR68200 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027264-A1.  
PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 703  
ID AB096253 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036144-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 704  
ID AB092684 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036149-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 705  
ID AB008761 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003044923-A1.  
PD 06-MAR-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;

RESULT 706  
ID AB002813 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003040062-A1.  
PD 27-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 707  
ID ABR74967 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040056-A1.  
PD 27-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 708  
ID ABR94729 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003044926-A1.  
PD 06-MAR-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 709  
ID AB085702 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003036140-A1.  
PD 20-FEB-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 710  
ID AB098862 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003013153-A1.  
PD 16-JAN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 711  
ID AB098077 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003017544-A1.  
PD 23-JAN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 712  
ID AB091783 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003027277-A1.  
PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 713  
ID AB089476 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003036141-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 714  
ID AB086317 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036146-A1.  
PD 20-FEB-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 715  
ID AB067530 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036162-A1.  
PD 20-FEB-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;

Fri Nov 30 07:56:31 2007

RESULT 716  
ID AB080558 standard; protein; 259 AA.  
DE Human PRO protein #125.  
PN US2003036137-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 717  
ID ABR99476 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040063-A1.  
PD 27-FEB-2003.  
PA (AXOR-) AXORDIA LTD.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 718  
ID ABR98866 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040064-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 719  
ID AB016389 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003027267-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 720  
ID ABR92289 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036160-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 721  
ID AB018930 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003044925-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 722  
ID ABR78351 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054474-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 723  
ID AB080587 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032114-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 724  
ID AB000226 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032101-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 725  
ID AB011558 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036124-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 726  
ID AB016084 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036148-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 727  
ID AB022203 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003040054-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 728  
ID AB088777 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036133-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 729  
ID AB083472 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036134-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 730  
ID AB06273 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003022294-A1.  
PD 30-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 731  
ID ABR59309 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027275-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 732  
ID AB009371 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003027324-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 733  
ID AB019235 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036118-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 734  
ID AB011253 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036123-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 735  
ID ABR66871 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036148-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 736  
ID AB016084 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036148-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;

DE Human secreted/transmembrane protein (PRO) #125.  
PD US2003040060-A1.  
PD 27-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 737  
ID AB013790 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PD US2003044916-A1.  
PD 06-MAR-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 738  
ID ABU65693 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein, SEQ ID 250.  
PD US2003036156-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 739  
ID AB007541 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PD US2003032117-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 740  
ID AB003728 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PD US2003036128-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 741  
ID ABR67176 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PD US2003027266-A1.  
PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 742  
ID AB015779 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PD US2003054483-A1.  
PD 20-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 743  
ID AAE334068 standard; protein; 259 AA.  
DE DKK 2 protein.  
PD WO200290992-A2.  
PD 14-NOV-2002.  
PA (AXOR-) AXORDIA LTD.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 744  
ID ABU56060 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein, PRO1316.  
PD US2003022298-A1.  
PD 30-JAN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 745  
ID ABU65388 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PD US2003032102-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 746  
ID ABU95333 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.

PN US2003036117-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 747  
ID ABU71236 standard; protein; 259 AA.  
DE Human PRO1316 protein.  
PD US2003036143-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 748  
ID ABO07846 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PD US2003032130-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 749  
ID ABR70087 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PD US2003032138-A1.  
PD 13-FEB-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 750  
ID ABR69420 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PD US2003036132-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 751  
ID ABO01561 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PD US2003008353-A1.  
PD 09-JAN-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 752  
ID ABU81363 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PD US2003017542-A1.  
PD 23-JAN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 753  
ID ABR60160 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PD US2003032137-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 754  
ID ABR67895 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PD US2003027269-A1.  
PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 755  
ID ABR65283 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PD US2003027268-A1.  
PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 756  
ID ABR68505 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PD US2003027274-A1.

PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 757  
ID ABR71917 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003032135-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 758  
ID ABU85397 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003022295-A1.  
PD 30-JAN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 759  
ID ABU89087 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003022297-A1.  
PD 30-JAN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 760  
ID ABU83167 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032105-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 761  
ID ABU95023 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032123-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 762  
ID ABU90571 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032108-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 763  
ID ABU84082 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032111-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 764  
ID ABU93733 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032119-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 765  
ID ABR64978 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027263-A1.  
PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 766  
ID ABR68810 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027271-A1.  
PD 06-FEB-2003.

Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 767  
ID ABO06626 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036125-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 768  
ID ABR99171 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040068-A1.  
PD 27-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 769  
ID ABU57055 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003027280-A1.  
PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 770  
ID ABU86007 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003022300-A1.  
PD 30-JAN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 771  
ID ABU82294 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036136-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 772  
ID ABU87305 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003036138-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 773  
ID ABU83777 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032109-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 774  
ID ABO08151 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003040066-A1.  
PD 27-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 775  
ID ABU81862 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032104-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 776  
ID ABU66026 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036157-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 777



ID ABR59855 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003032120-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 778  
ID ABU94043 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036155-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 779  
ID ABU99896 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003022296-A1.  
PD 30-JAN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 780  
ID ABR6566 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027281-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 781  
ID ABR90984 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040058-A1.  
PD 27-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 782  
ID ABU94411 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003017540-A1.  
PD 23-JAN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 783  
ID ABU79293 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032106-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 784  
ID ABU86622 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032129-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 785  
ID ABU86927 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032131-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 786  
ID ABU94716 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032103-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 787  
ID ABO04643 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.

PN US2003032107-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 788  
ID ABR70392 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003032139-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 789  
ID ABU98557 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003022301-A1.  
PD 30-JAN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 790  
ID ABR65956 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036165-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 791  
ID ABR64673 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027262-A1.  
PD 06-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 792  
ID ABU79598 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032110-A1.  
PD 13-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 793  
ID ABU92989 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036142-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 794  
ID ABU95948 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003036145-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 795  
ID ABU91168 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036154-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 796  
ID ABU90261 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036153-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 797  
ID ABO09676 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003044931-A1.  
PD 06-MAR-2003.

|                                                       |        |                  |       |             |
|-------------------------------------------------------|--------|------------------|-------|-------------|
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 798                                            |        |                  |       |             |
| ID ABO10948 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human secreted/transmembrane protein (PRO) #125.   |        |                  |       |             |
| PN US2003036150-A1.                                   |        |                  |       |             |
| PD 20-FEB-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 799                                            |        |                  |       |             |
| ID ABR71002 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human secreted polypeptide PRO1316, SEQ ID NO:250. |        |                  |       |             |
| PN US2003040069-A1.                                   |        |                  |       |             |
| PD 27-FEB-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 800                                            |        |                  |       |             |
| ID ABU87610 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human PRO polypeptide #125.                        |        |                  |       |             |
| PN US2003022293-A1.                                   |        |                  |       |             |
| PD 30-JAN-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 801                                            |        |                  |       |             |
| ID ABU91478 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human PRO polypeptide #125.                        |        |                  |       |             |
| PN US2003032128-A1.                                   |        |                  |       |             |
| PD 13-FEB-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 802                                            |        |                  |       |             |
| ID ABU84692 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human secreted/transmembrane protein (PRO) #125.   |        |                  |       |             |
| PN US2003032116-A1.                                   |        |                  |       |             |
| PD 13-FEB-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 803                                            |        |                  |       |             |
| ID ABR69782 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human secreted polypeptide PRO1316, SEQ ID NO:250. |        |                  |       |             |
| PN US2003032122-A1.                                   |        |                  |       |             |
| PD 13-FEB-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 804                                            |        |                  |       |             |
| ID ABU80159 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human PRO protein #125.                            |        |                  |       |             |
| PN US2003036139-A1.                                   |        |                  |       |             |
| PD 20-FEB-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 805                                            |        |                  |       |             |
| ID ABU93428 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human PRO polypeptide #125.                        |        |                  |       |             |
| PN US2003017541-A1.                                   |        |                  |       |             |
| PD 23-JAN-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 806                                            |        |                  |       |             |
| ID ABO09981 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human secreted/transmembrane protein (PRO) #125.   |        |                  |       |             |
| PN US2003017543-A1.                                   |        |                  |       |             |
| PD 23-JAN-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 807                                            |        |                  |       |             |
| ID ABO09066 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human secreted/transmembrane protein (PRO) #125.   |        |                  |       |             |
| PN US2003036152-A1.                                   |        |                  |       |             |
| PD 20-FEB-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |
| RESULT 808                                            |        |                  |       |             |
| ID ABO09066 standard; protein; 259 AA.                |        |                  |       |             |
| DE Human secreted/transmembrane protein (PRO) #125.   |        |                  |       |             |
| PN US2003036152-A1.                                   |        |                  |       |             |
| PD 20-FEB-2003.                                       |        |                  |       |             |
| Query Match                                           | 17.3%; | Score 102;       | DB 6; | Length 259; |
| Best Local Similarity                                 | 31.5%; | Pred. No. 0.023; |       |             |

Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 818  
ID ABR81246 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049743-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 819  
ID ABM00942 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049769-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 820  
ID ABR88544 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068743-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 821  
ID ABM77365 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054479-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 822  
ID ABO28849 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068685-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 823  
ID ABO31594 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068725-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 824  
ID ABM08011 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068752-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 825  
ID ABO40491 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068682-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 826  
ID ABO35916 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068701-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 827  
ID ABO44055 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068755-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 828  
ID ADA78002 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003073180-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 829  
ID ABM24850 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104539-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 830  
ID ABO03118 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036131-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 831  
ID ABR90374 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040075-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 832  
ID ABM17288 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054459-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 833  
ID ABR95034 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003044930-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 834  
ID ABR95339 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040071-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 835  
ID ABO21577 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054471-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 836  
ID ABR97841 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064452-A1.  
PD 03-APR-2003.

PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 837  
 ID ABR87629 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068705-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 838  
 ID ABR7670 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003054473-A1.  
 PD 20-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 839  
 ID ABR27900 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003064440-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 840  
 ID ABR06181 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068704-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 841  
 ID ABR03687 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068722-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 842  
 ID ABR35138 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003073183-A1.  
 PD 17-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 843  
 ID ABR26375 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003104549-A1.  
 PD 05-JUN-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 844  
 ID ABR48157 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003049749-A1.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 845  
 ID ABR92899 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003064462-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;

Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 846  
 ID ABO24660 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003065159-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 847  
 ID ABR1671 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003064447-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 848  
 ID ABR02772 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003073184-A1.  
 PD 17-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 849  
 ID ABR16068 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003064463-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 850  
 ID ABO27629 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003064451-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 851  
 ID ABR29120 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068721-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 852  
 ID ABR07096 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068699-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 853  
 ID ABR21190 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068707-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 854  
 ID ABR09536 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003073175-A1.  
 PD 17-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;

RESULT 855  
ID ABO41406 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068695-A1.  
PD 10-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 856  
ID ABO36221 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068703-A1.  
PD 10-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 857  
ID ABO43750 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068732-A1.  
PD 10-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 858  
ID ABO43750 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068732-A1.  
PD 10-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 859  
ID ABO43750 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003082717-A1.  
PD 01-MAY-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 860  
ID ABO43750 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104548-A1.  
PD 05-JUN-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 861  
ID ABO43750 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104542-A1.  
PD 05-JUN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 862  
ID ABO43750 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104543-A1.  
PD 05-JUN-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 863  
ID ABO43750 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036127-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 864  
ID ABO43750 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036130-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 865  
ID ABO43750 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054468-A1.  
PD 20-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 866  
ID ABO16999 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054470-A1.  
PD 20-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 867  
ID ABR94424 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003044917-A1.  
PD 06-MAR-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 868  
ID ABR75931 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003044929-A1.  
PD 06-MAR-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 869  
ID ABR71307 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059880-A1.  
PD 27-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 870  
ID ABR93204 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064465-A1.  
PD 03-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 871  
ID ABR93509 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054478-A1.  
PD 20-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 872  
ID ABR87934 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068718-A1.  
PD 10-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 873  
ID ABO33602 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003073130-A1.  
PD 17-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 874  
ID ABO27934 standard; protein; 259 AA.

DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003064454-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 875  
 ID ABO30069 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003064461-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 876  
 ID ABO33278 standard; protein; 259 AA.  
 DE Human PRO polypeptide #125.  
 PN US2003068724-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 877  
 ID ABO4966 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068727-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 878  
 ID ABO8926 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068772-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 879  
 ID ABO36526 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003068714-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 880  
 ID ABO35611 standard; protein; 259 AA.  
 DE Human PRO polypeptide #125.  
 PN US2003068758-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 881  
 ID ABO39576 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003068776-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 882  
 ID ABO10451 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003069407-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 883  
 ID ABO11976 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.

PN US2003104555-A1.  
 PD 05-JUN-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 884  
 ID ABO52122 standard; protein; 259 AA.  
 DE Human PRO polypeptide #125.  
 PN US2003049768-A1.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 885  
 ID ABO52427 standard; protein; 259 AA.  
 DE Human PRO polypeptide #125.  
 PN US2003049771-A1.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 886  
 ID ABO23745 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003032134-A1.  
 PD 13-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 887  
 ID ABR97231 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003054481-A1.  
 PD 20-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 888  
 ID ABR87019 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003049778-A1.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 889  
 ID ABM11061 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003049782-A1.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 890  
 ID ABM28205 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003054476-A1.  
 PD 20-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 891  
 ID ABO32204 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003068733-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 892  
 ID ABM15331 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068692-A1.  
 PD 10-APR-2003.

PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 893  
ID ABM06486 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068703-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 894  
ID ABM04297 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068716-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 895  
ID ABM22410 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068740-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 896  
ID ABM07706 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068751-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 897  
ID ABO40796 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068684-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 898  
ID ABM35443 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073179-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 899  
ID ABO52732 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003049773-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 900  
ID ABO52732 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003087374-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 901  
ID ABO50292 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049777-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 902  
ID ABM04338 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036164-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 903  
ID ABO04338 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036164-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 904  
ID ABO05968 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003040074-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 905  
ID ABM18508 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054480-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 906  
ID ABR97536 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059885-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 907  
ID ABR80636 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049740-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 908  
ID ABM01247 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049770-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 909  
ID ABR88849 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073169-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 910  
ID ABM13501 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064457-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 911  
ID ABM20885 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068711-A1.



PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 912  
ID ABO42016 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049745-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 913  
ID ABO42626 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049751-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 914  
ID ASM10146 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003067478-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 915  
ID ABO38661 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068773-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 916  
ID ASM32901 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073185-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 917  
ID ABM22715 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003087373-A1.  
PD 08-MAY-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 918  
ID ABM74926 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003096353-A1.  
PD 22-MAY-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 919  
ID ADA79794 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003073173-A1.  
PD 17-APR-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 920  
ID ABR96316 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054458-A1.  
PD 20-MAR-2003.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 921  
ID ABO37746 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068742-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 922  
ID ABR86409 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049758-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 923  
ID ABR86714 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049772-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 924  
ID ABR16678 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064448-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 925  
ID ABM29730 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064456-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 926  
ID ABO29154 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068693-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 927  
ID ABM23935 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068735-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 928  
ID ABM23325 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068753-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 929  
ID ABM22105 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068742-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 930  
ID ABO37746 standard; protein; 259 AA.

DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068756-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 931  
ID ABM28510 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003082715-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 932  
ID ABM28815 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003082716-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 933  
ID ABM6459 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068737-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 934  
ID ABM75841 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104547-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 935  
ID ABM34121 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003096359-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 936  
ID ABM34426 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003100061-A1.  
PD 29-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 937  
ID ABO20357 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032125-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 938  
ID ABO21272 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054454-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 939  
ID ABO22187 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054477-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 940  
ID ABR9621 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054460-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 941  
ID ABR85799 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049753-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 942  
ID ABR99781 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049763-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 943  
ID ABM00332 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073172-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 944  
ID ABM00637 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073172-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 945  
ID ABO29764 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068700-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 946  
ID ABM23630 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068736-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 947  
ID ABM29425 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068679-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 948  
ID ABO38356 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068767-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 949  
ID ABO45656 standard; protein; 259 AA.

Fri Nov 30 07:56:31 2007

DE Human PRO polypeptide #125.  
 PN US2003073182-A1.  
 PD 17-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 950  
 ID ABR89764 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003073171-A1.  
 PD 17-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 951  
 ID ADA81521 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003092121-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 952  
 ID ABO16694 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003027276-A1.  
 PD 06-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 953  
 ID ABO18320 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003044920-A1.  
 PD 06-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 954  
 ID ABO22747 standard; protein; 259 AA.  
 DE Human PRO polypeptide #125.  
 PN US2003027265-A1.  
 PD 06-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 955  
 ID ABO23052 standard; protein; 259 AA.  
 DE Human PRO polypeptide #125.  
 PN US2003054461-A1.  
 PD 20-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 956  
 ID ABR92594 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003064446-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 957  
 ID ABR81551 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003049744-A1.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 958  
 ID ABR77975 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003049783-A1.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 959  
 ID ABR89764 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003073171-A1.  
 PD 17-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 960  
 ID ABR26680 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003032121-A1.  
 PD 13-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 961  
 ID ABR13806 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003064458-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 962  
 ID ABO28544 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003064460-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 963  
 ID ABO30374 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003064464-A1.  
 PD 03-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 964  
 ID ABO7401 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068702-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 965  
 ID ABO3992 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068734-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 966  
 ID ABO37136 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003068719-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 967  
 ID ABO1711 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003068729-A1.  
 PD 10-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 968  
 ID ABR77975 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003049783-A1.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.

```

ID ABO35306 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003068738-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 969
ID ABO18015 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003044918-A1.
PD 06-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 970
ID ABO20967 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003032132-A1.
PD 13-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 971
ID ABO47852 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003049742-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 972
ID ABO48462 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003049750-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 973
ID ABO51512 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003049766-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 974
ID ABO51817 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003049767-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 975
ID ABO50597 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003049779-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 976
ID ABR79721 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003040059-A1.
PD 27-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 977
ID ABM16983 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003040078-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 978
ID ABO18015 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003044918-A1.
PD 06-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 979
ID ABO20967 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003032132-A1.
PD 13-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 980
ID ABR96926 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003054462-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 981
ID ABM12281 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003064445-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 982
ID ABM16373 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003064449-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 983
ID ABM24240 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003064441-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 984
ID ABM14721 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068696-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 985
ID ABM04602 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068712-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 986
ID ABM06791 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068730-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 6; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;

```

```

RESULT 987
ID ABM09231 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003073174-A1.
PD 17-APR-2003.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 17-APR-2003.
PRED. NO. 0.023;
RESULT 988
ID ABO39271 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003068775-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 10-APR-2003.
PRED. NO. 0.023;
RESULT 989
ID ABM75536 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003104545-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 05-JUN-2003.
PRED. NO. 0.023;
RESULT 990
ID ABM25460 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003104541-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 05-JUN-2003.
PRED. NO. 0.023;
RESULT 991
ID ABM19970 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003104554-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 05-JUN-2003.
PRED. NO. 0.023;
RESULT 992
ID ABO46876 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003049762-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 13-MAR-2003.
PRED. NO. 0.023;
RESULT 993
ID ABO47181 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003049765-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 13-MAR-2003.
PRED. NO. 0.023;
RESULT 994
ID ADA83319 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003049752-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 13-MAR-2003.
PRED. NO. 0.023;
RESULT 995
ID ABR71612 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003032133-A1.
PD 13-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 13-FEB-2003.
PRED. NO. 0.023;
RESULT 996
ID ABR72222 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003032136-A1.
PD 13-FEB-2003.
PRED. NO. 0.023;
RESULT 997
ID ABR98561 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003036129-A1.
PD 20-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 20-FEB-2003.
PRED. NO. 0.023;
RESULT 998
ID ABO6931 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003040053-A1.
PD 27-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 27-FEB-2003.
PRED. NO. 0.023;
RESULT 999
ID ABR84884 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003040057-A1.
PD 27-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 27-FEB-2003.
PRED. NO. 0.023;
RESULT 1000
ID ABR73442 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003054467-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 20-MAR-2003.
PRED. NO. 0.023;
RESULT 1001
ID ABR76536 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003044932-A1.
PD 06-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 06-MAR-2003.
PRED. NO. 0.023;
RESULT 1002
ID ABR73137 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003027270-A1.
PD 06-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 06-FEB-2003.
PRED. NO. 0.023;
RESULT 1003
ID ABM18203 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003054469-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 20-MAR-2003.
PRED. NO. 0.023;
RESULT 1004
ID ABO20662 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003032126-A1.
PD 13-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 13-FEB-2003.
PRED. NO. 0.023;
RESULT 1005
ID ABO25405 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003054463-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 6; Length 259;
PD 20-MAR-2003.
PRED. NO. 0.023;
RESULT 1006
ID ABO25710 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003054466-A1.
PD 20-MAR-2003.
PRED. NO. 0.023;

```

PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1007  
ID ABR94119 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059879-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1008  
ID ABR80026 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049738-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1009  
ID ABM1366 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064469-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1010  
ID ABO32973 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003064453-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1011  
ID ABO30679 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003064466-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1012  
ID ABO30984 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003064468-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1013  
ID ABM27290 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068760-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1014  
ID ABM30035 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068769-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1015  
ID ABM05571 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003045700-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.

Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1016  
ID ABM15636 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068698-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1017  
ID ABM08621 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068759-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1018  
ID ABO42321 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049748-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1019  
ID ABO38051 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068765-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1020  
ID ABO45961 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003049754-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1021  
ID ABM6764 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068688-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1022  
ID ADB20362 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003082767-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1023  
ID ABM19665 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104552-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1024  
ID ABO49377 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049774-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;

RESULT 1025  
 ID ABO49682 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003049775-A1.  
 PD 13-MAR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1026  
 ID ADA78614 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003073181-A1.  
 PD 17-APR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1027  
 ID ABR8239 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068720-A1.  
 PD 10-APR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1028  
 ID ABR8239 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068739-A1.  
 PD 10-APR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1029  
 ID ABR8239 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003068763-A1.  
 PD 10-APR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1030  
 ID ABO39881 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003068689-A1.  
 PD 10-APR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1031  
 ID ABO49987 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003049776-A1.  
 PD 13-MAR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1032  
 ID ABO50902 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003049780-A1.  
 PD 13-MAR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1033  
 ID ABO5358 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003036126-A1.  
 PD 20-FEB-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1034  
 ID ABR74662 standard; protein; 259 AA.

DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003044924-A1.  
 PD 06-MAR-2003.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1035  
 ID ABO44455 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein PRO1316.  
 PN US2003044841-A1.  
 PD 06-MAR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1036  
 ID ABR77141 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003044927-A1.  
 PD 06-MAR-2003.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1037  
 ID ABR77141 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003040072-A1.  
 PD 27-FEB-2003.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1038  
 ID ABR95949 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003040073-A1.  
 PD 27-FEB-2003.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1039  
 ID ABO21882 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003054475-A1.  
 PD 20-MAR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1040  
 ID ABO20052 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003032124-A1.  
 PD 13-FEB-2003.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1041  
 ID ABO24355 standard; protein; 259 AA.  
 DE Human secreted/transmembrane protein (PRO) #125.  
 PN US2003064467-A1.  
 PD 03-APR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1042  
 ID ABR86104 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003049759-A1.  
 PD 13-MAR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;  
 RESULT 1043  
 ID ABR10756 standard; protein; 259 AA.  
 DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
 PN US2003064455-A1.  
 PD 03-APR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 17.3%; Score 102; DB 7; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.023;



RESULT 1044  
ID ABM76755 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054465-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1045  
ID ABR89459 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073170-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1046  
ID ABM12586 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073176-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1047  
ID ABM05876 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068717-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1048  
ID ABO35001 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068728-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1049  
ID ABM03077 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068764-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1050  
ID ABM19055 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104550-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1051  
ID ABM19360 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104551-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1052  
ID ABO46571 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003049761-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1053  
ID ABO49072 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068687-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1054  
ID ABR89115 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027273-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1055  
ID ABR89154 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036119-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1056  
ID ABR72527 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036120-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1057  
ID ABR74357 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036161-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1058  
ID ABO18625 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003044921-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1059  
ID ABR80331 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049739-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1060  
ID ABM01552 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059882-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1061  
ID ABM02162 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059884-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;  
RESULT 1062  
ID ABR87324 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068687-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
Pred. No. 0.023;

Fri Nov 30 07:56:31 2007

Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1063  
ID ABM12891 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073186-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1064  
ID ABM30645 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064443-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1065  
ID ABM24545 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064444-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1066  
ID ABO29459 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068697-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1067  
ID ABO31289 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068710-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1068  
ID ABM14416 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068686-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1069  
ID ABM09841 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073178-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1070  
ID ABO38966 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068774-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1071  
ID ABM34731 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104538-A1.  
PD 05-JUN-2003.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1072

ID ABO51207 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049781-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1073  
ID ABO04033 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036158-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1074  
ID ABO10503 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003036151-A1.  
PD 20-FEB-2003.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1075  
ID ABR77746 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040067-A1.  
PD 27-FEB-2003.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1076  
ID ABR78956 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054456-A1.  
PD 20-MAR-2003.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1077  
ID ABO24050 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054482-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1078  
ID ABR93814 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054457-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1079  
ID ABM01857 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059883-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1080  
ID ABM78280 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049764-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1081  
ID ABO33479 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003073129-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.

```
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1082
ID ABR90069 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003073177-A1.
PD 17-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1083
ID ABM27595 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003064442-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1084
ID ASM13196 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003064450-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1085
ID ABO31899 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003068731-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1086
ID ABM14111 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068683-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1087
ID ABO08316 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068754-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1088
ID ABO40186 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003068681-A1.
PD 10-APR-2003.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1089
ID ASM74621 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003096351-A1.
PD 22-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1090
ID ASM33816 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003096358-A1.
PD 22-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1091
ID ABM20275 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003104556-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1092
ID ABO48767 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003049756-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1093
ID ABR72832 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003036122-A1.
PD 20-FEB-2003.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1094
ID ABO15474 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003036121-A1.
PD 20-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1095
ID ABR85189 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003040065-A1.
PD 27-FEB-2003.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1096
ID ABO15169 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003044919-A1.
PD 06-MAR-2003.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1097
ID ABO17304 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003040077-A1.
PD 27-FEB-2003.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1098
ID ABM17593 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003044928-A1.
PD 06-MAR-2003.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1099
ID ABR85494 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003049746-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1100
ID ABM77060 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003054464-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
```

```
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1101
ID ABO28239 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003064459-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1102
ID ABO23020 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068757-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1103
ID ABO30340 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068723-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1104
ID ABO21800 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068741-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1105
ID ABO21495 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068744-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1106
ID ABO15026 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068766-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1107
ID ABO41101 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003068694-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1108
ID ABO36831 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003068715-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1109
ID ABO37441 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003068726-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1110
ID ABO75231 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003104544-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1111
ID ABO33511 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003096357-A1.
PD 22-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1112
ID ABO46266 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003049760-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1113
ID ADA82685 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003049755-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1114
ID ABO31865 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068680-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1115
ID ABO31255 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068762-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1116
ID ADB85993 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003054472-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1117
ID ABO32170 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068708-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1118
ID ABO32475 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003068713-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.3%; Score 102; DB 7; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.023;
RESULT 1119
ID ABO31560 standard; protein; 259 AA.
```

DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068761-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1120  
ID ADM30950 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068771-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1121  
ID ADC17939 standard; protein; 259 AA.  
DE Human PRO polypeptide #21.  
PN US2003064925-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1122  
ID ADD05723 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003087376-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1123  
ID ADD70585 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003099625-A1.  
PD 29-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1124  
ID ADD39662 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003083462-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1125  
ID ADD70108 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003054406-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1126  
ID ADD38229 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003096955-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1127  
ID ADD39185 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003096954-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1128  
ID ADD38708 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.

PN US2003092061-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1129  
ID ADD40139 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003082627-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1130  
ID ADE50360 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003069179-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1131  
ID ADE19972 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003092883-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1132  
ID ADE49883 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003082626-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1133  
ID ADE21441 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003082628-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1134  
ID ADF29866 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003204053-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1135  
ID ADF55759 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003204054-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1136  
ID ADG02718 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003207397-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;  
31.5%; Pred. No. 0.023;  
RESULT 1137  
ID ADG01425 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003207399-A1.

Fri Nov 30 07:56:31 2007

```
PD 06-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;
Pred. No. 0.023;
RESULT 1138
ID ADF95600 standard; protein; 259 AA.
DE Novel human secreted and transmembrane protein PRO1316.
PN US2003207398-A1.
PD 06-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;
Pred. No. 0.023;
RESULT 1139
ID ADG12415 standard; protein; 259 AA.
DE Novel human secreted and transmembrane protein PRO1316.
PN US2003207392-A1.
PD 06-NOV-2003.
Query Match
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;
Pred. No. 0.023;
RESULT 1140
ID ADH09075 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003207395-A1.
PD 06-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;
Pred. No. 0.023;
RESULT 1141
ID ADH9263 standard; protein; 259 AA.
DE Human secreted/transmembrane protein PRO1316.
PN US2003065142-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;
Pred. No. 0.023;
RESULT 1142
ID ADL32856 standard; protein; 259 AA.
DE Novel human secreted and transmembrane protein PRO1316.
PN US2003207396-A1.
PD 06-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;
Pred. No. 0.023;
RESULT 1143
ID ADM30390 standard; protein; 259 AA.
DE Novel human secreted and transmembrane protein PRO1316.
PN US2003073813-A1.
PD 17-APR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;
Pred. No. 0.023;
RESULT 1144
ID ADN39361 standard; protein; 259 AA.
DE Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:B45.
PN WO2003042661-A2.
PD 22-MAY-2003.
PA (EOSB-) EOS BIOTECHNOLOGY INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 7; Length 259;
Pred. No. 0.023;
RESULT 1145
ID ADE74387 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003211572-A1.
PD 13-NOV-2003.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1146
ID ADE74999 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003211574-A1.
PD 13-NOV-2003.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1147
ID ADE96443 standard; protein; 259 AA.
DE Human secreted/transmembrane protein PRO1316.
PN US2003195347-A1.
PD 16-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1148
ID ADF25754 standard; protein; 259 AA.
DE Human secreted/transmembrane protein PRO1316.
PN US2003199675-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1149
ID ADF24653 standard; protein; 259 AA.
DE Human secreted/transmembrane protein PRO1316.
PN US2003198993-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1150
ID ADF29389 standard; protein; 259 AA.
DE Human secreted/transmembrane protein PRO1316.
PN US2003203401-A1.
PD 30-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1151
ID ADE96920 standard; protein; 259 AA.
DE Human secreted/transmembrane protein PRO1316.
PN US2003195334-A1.
PD 16-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1152
ID ADF96212 standard; protein; 259 AA.
DE Novel human secreted and transmembrane protein PRO1316.
PN US2003215909-A1.
PD 20-NOV-2003.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1153
ID ADG04483 standard; protein; 259 AA.
DE Novel human secreted and transmembrane protein PRO1316.
PN US2003215912-A1.
PD 20-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1154
ID ADG00643 standard; protein; 259 AA.
DE Novel human secreted and transmembrane protein PRO1316.
PN US2003215911-A1.
PD 20-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1155
ID ADG82899 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003215910-A1.
PD 20-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 17.3%; Score 102; DB 8; Length 259;
Pred. No. 0.023;
RESULT 1156
ID ADH02958 standard; protein; 259 AA.
```

DE Human secreted/transmembrane protein PRO1316.  
PN US2003216562-A1.  
PD 20-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1157  
ID ADH03912 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003220471-A1.  
PD 27-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1158  
ID ADH03435 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003224478-A1.  
PD 04-DEC-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1159  
ID ADH26180 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003068770-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1160  
ID ADH04389 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068768-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1161  
ID ADH04389 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2004005626-A1.  
PD 08-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1162  
ID ADH61390 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2004014130-A1.  
PD 22-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1163  
ID ADJ54888 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2004023321-A1.  
PD 05-FEB-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1164  
ID ADJ64659 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2004038337-A1.  
PD 26-FEB-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1165  
ID ADM31555 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2005163766-A1.  
PD 11-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1166  
ID ADM36602 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2004053358-A1.  
PD 18-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1167  
ID ADM40407 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2004048335-A1.  
PD 11-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1168  
ID ADL94589 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2004073015-A1.  
PD 15-APR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1169  
ID ADO35295 standard; protein; 259 AA.  
DE Human Dkk family protein Dkk2.  
PN US2004014209-A1.  
PD 22-JAN-2004.  
PA (LASS/) LASSAR A. B.  
PA (MERC/) MERCOLA M.  
PA (GUPT/) GUPTA R.  
PA (MARV/) MARVIN M.  
PA (SCHN/) SCHNEIDER V.  
PA (TZA/) TZAHOOR E.  
PA (BROT/) BROTT B.  
PA (SOKO/) SOKOL S.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1170  
ID ADN38015 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2004091959-A1.  
PD 13-MAY-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1171  
ID AED44976 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316, SEQ:70.  
PN US2005181478-A1.  
PD 18-AUG-2005.  
PA (BAKE/) BAKER K P.  
PA (BOTS/) BOTSTEIN D.  
PA (DESN/) DESNOYERS L.  
PA (EATO/) EATON D L.  
PA (FERR/) FERRARA N.  
PA (FONG/) FONG S.  
PA (GAOW/) GAO W.  
PA (GODD/) GODDARD A.  
PA (GODO/) GODOWSKI P J.  
PA (GRIM/) GRIMALDI J C.  
Query Match 17.3%; Score 102; DB 9; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1172  
ID AED50245 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2005163766-A1.



PD 28-JUL-2005.  
Query Match 17.3%; Score 102; DB 9; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1173  
ID AEG62937 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2006073544-A1.  
PD 06-APR-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1174  
ID AEG72760 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2006074226-A1.  
PD 06-APR-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1175  
ID AEG62325 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2006073545-A1.  
PD 06-APR-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1176  
ID AEG88242 standard; protein; 259 AA.  
DE Human PRO protein amino acid sequence - SEQ ID 250.  
PN US2006074227-A1.  
PD 06-APR-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1177  
ID AEGH1758 standard; protein; 259 AA.  
DE Human tumor overexpressed cDNA protein product PRO1316 SEQ ID NO: 250.  
PN US2006094864-A1.  
PD 04-MAY-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 17.3%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1178  
ID AEG140730 standard; protein; 259 AA.  
DE Human dickkopf ligand Dkk-2.  
PN WO2006061717-A2.  
PD 15-JUN-2006.  
PA (NEUR-) NEURO THERAPEUTICS AB.  
Query Match 17.3%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1179  
ID AEL56587 standard; protein; 259 AA.  
DE Human dickkopf related protein-2 precursor, SEQ ID NO: 1050.  
PN US2006216722-A1.  
PD 28-SEP-2006.  
PA (BETS/) BETSHOLTZ C.  
PA (TRYG/) TRYGGVASON K.  
PA (TAKE/) TAKEMOTO M.  
PA (HELL/) HE L.  
PA (PATR/) PATRAKKAS J.  
Query Match 17.3%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1180  
ID AAO88980 standard; protein; 263 AA.  
DE Amino acid sequence of a human Dickkopf (Dkk)-2 protein.  
PN WO20052047-A2.  
PD 08-SEP-2000.  
PA (MILL-) MILLENNIUM PHARM INC.  
Query Match 17.3%; Score 102; DB 3; Length 263;  
Best Local Similarity 31.5%; Pred. No. 0.023;  
RESULT 1181  
ID AAY92072 standard; protein; 259 AA.

DE Murine DKR-2.  
PN WO200018914-A2.  
PD 06-APR-2000.  
PA (AMGE-) AMGEN INC.  
Query Match 17.1%; Score 101; DB 3; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.029;  
RESULT 1182  
ID AEL55689 standard; protein; 259 AA.  
DE Mouse dickkopf related protein-2 precursor, SEQ ID NO: 150.  
PN US2006216722-A1.  
PD 28-SEP-2006.  
PA (BETS/) BETSHOLTZ C.  
PA (TRYG/) TRYGGVASON K.  
PA (TAKE/) TAKEMOTO M.  
PA (HELL/) HE L.  
PA (PATR/) PATRAKKAS J.  
Query Match 17.1%; Score 101; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.029;  
RESULT 1183  
ID AEI40729 standard; protein; 260 AA.  
DE Mouse dickkopf ligand Dkk-2.  
PN WO2006061717-A2.  
PD 15-JUN-2006.  
PA (NEUR-) NEURO THERAPEUTICS AB.  
Query Match 17.1%; Score 101; DB 10; Length 260;  
Best Local Similarity 31.5%; Pred. No. 0.029;  
RESULT 1184  
ID AEA38732 standard; protein; 272 AA.  
DE Mouse dickkopf-1 (Dkk-1) protein, SEQ ID NO: 22.  
PN WO2005049640-A2.  
PD 02-JUN-2005.  
PA (MERI ) MERCK & CO INC.  
Query Match 17.1%; Score 101; DB 9; Length 272;  
Best Local Similarity 33.8%; Pred. No. 0.031;  
RESULT 1185  
ID AEF80274 standard; protein; 272 AA.  
DE Mouse dickkopf-1 (Dkk-1) protein sequence.  
PN WO2006015373-A2.  
PD 09-FEB-2006.  
PA (AMGE-) AMGEN INC.  
Query Match 17.1%; Score 101; DB 10; Length 272;  
Best Local Similarity 33.8%; Pred. No. 0.031;  
RESULT 1186  
ID AEI40727 standard; protein; 272 AA.  
DE Mouse dickkopf ligand Dkk-1.  
PN WO2006061717-A2.  
PD 15-JUN-2006.  
PA (NEUR-) NEURO THERAPEUTICS AB.  
Query Match 17.1%; Score 101; DB 10; Length 272;  
Best Local Similarity 33.8%; Pred. No. 0.031;  
RESULT 1187  
ID ADY86168 standard; protein; 83 AA.  
DE Human dickkopf-3 protein, SEQ ID NO:6.  
PN US2005064522-A1.  
PD 24-MAR-2005.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 9; Length 83;  
Best Local Similarity 37.7%; Pred. No. 0.0099;  
RESULT 1188  
ID ADB64042 standard; protein; 215 AA.  
DE Human protein encoded by clone BRAWY20227860.  
PN EP1308459-A2.  
PD 07-MAY-2003.  
PA (HELI-) HELIX RES INST.  
PA (REAS-) RES ASSOC BIOTECHNOLOGY.  
Query Match 17.1%; Score 100.5; DB 7; Length 215;  
Best Local Similarity 37.7%; Pred. No. 0.027;  
RESULT 1189  
ID AAW73016 standard; protein; 350 AA.  
DE Human cysteine-rich secreted protein CRSP-1.  
PN WO9846755-A1.  
PD 22-OCT-1998.  
PA (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.

Query Match 17.1%; Score 100.5; DB 2; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1190  
ID AAM62595 standard; protein; 350 AA.  
DE Homo sapiens cerebellum and embryo specific protein.  
PN W09827932-A2.  
PD 02-JUL-1998.  
PA (HUMA-) HUMAN GENOME SCI INC.  
Query Match 17.1%; Score 100.5; DB 2; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1191  
ID AAY13384 standard; protein; 350 AA.  
DE Amino acid sequence of protein PRO295.  
PN W09914328-A2.  
PD 25-MAR-1999.  
PA (GETH) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 2; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1192  
ID AAY92070 standard; protein; 350 AA.  
DE Human DKR-3.  
PN W0200018914-A2.  
PD 06-APR-2000.  
PA (AMGE-) AMGEN INC.  
Query Match 17.1%; Score 100.5; DB 3; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1193  
ID AAB08874 standard; protein; 350 AA.  
DE Amino acid sequence of a human Dickkopf (Dkk)-3 protein.  
PN W0200052047-A2.  
PD 08-SEP-2000.  
PA (MILL-) MILLENNIUM PHARM INC.  
Query Match 17.1%; Score 100.5; DB 3; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1194  
ID ADC78556 standard; protein; 350 AA.  
DE Human PRO295 protein.  
PN W0200015796-A2.  
PD 23-MAR-2000.  
PA (GETH) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 3; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1195  
ID AAB80252 standard; protein; 350 AA.  
DE Human PRO295 protein.  
PN W0200104311-A1.  
PD 18-JAN-2001.  
PA (GETH) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 4; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1196  
ID AAG80271 standard; protein; 350 AA.  
DE Human DKR-3 protein.  
PN W0200163295-A2.  
PD 30-AUG-2001.  
PA (OXFO-) OXFORD GLYCOSCIENCES UK LTD.  
Query Match 17.1%; Score 100.5; DB 4; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1197  
ID AAB87529 standard; protein; 350 AA.  
DE Human PRO295.  
PN W0200116318-A2.  
PD 08-MAR-2001.  
PA (GETH) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 4; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1198  
ID AAG62468 standard; protein; 350 AA.  
DE Human reduced expression in immortalised cells protein.  
PN W0200138528-A1.  
PD 31-MAY-2001.  
PA (HISM) HISAMITSU PHARM CO LTD.  
Query Match 17.1%; Score 100.5; DB 4; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1199  
ID ABB90735 standard; protein; 350 AA.  
DE Human Tumour Endothelial Marker polypeptide SEQ ID NO 202.  
PN W0200210217-A2.  
PD 07-FEB-2002.  
PA (UYJO) UNIV JOHNS HOPKINS.  
Query Match 17.1%; Score 100.5; DB 5; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1200  
ID ABG95854 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2002119130-A1.  
PD 29-AUG-2002.  
PA (GETH) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 5; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1201  
ID ABB84841 standard; protein; 350 AA.  
DE Human PRO295 protein sequence SEQ ID NO:50.  
PN W0200200690-A2.  
PD 03-JAN-2002.  
PA (GETH) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 5; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1202  
ID ABB95447 standard; protein; 350 AA.  
DE Human angiogenesis related protein PRO295 SEQ ID NO: 50.  
PN W0200208284-A2.  
PD 31-JAN-2002.  
PA (GETH) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 5; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1203  
ID ABU71630 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.  
PN US2002146709-A1.  
PD 10-OCT-2002.  
PA (GETH) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1204  
ID ABU71485 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.  
PN US2002192659-A1.  
PD 19-DEC-2002.  
PA (GETH) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1205  
ID ABU54442 standard; protein; 350 AA.  
DE Human tumour endothelial marker TEM 4.  
PN W0200283874-A2.  
PD 24-OCT-2002.  
PA (UYJO) UNIV JOHNS HOPKINS.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1206

Fri Nov 30 07:56:31 2007

ID ABU71931 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2003003530-A1.  
PD 02-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1207  
ID ABO01814 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2002197671-A1.  
PD 26-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1208  
ID ABU90879 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003018173-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1209  
ID ABO33938 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2003009013-A1.  
PD 09-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1210  
ID ABU71955 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003018183-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1211  
ID ABU55915 standard; protein; 350 AA.  
DE Human protein DKK3.  
PN WO200277204-A2.  
PD 03-OCT-2002.  
PA (AXOR-) AXORDIA LTD.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1212  
ID ABU54387 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2002132240-A1.  
PD 19-SEP-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1213  
ID ABO47402 standard; protein; 350 AA.  
DE Human secreted/transmembrane polypeptide PRO295.  
PN US2003044839-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1214  
ID ABU71509 standard; protein; 350 AA.  
DE Human secreted polypeptide PRO295.  
PN US2003013855-A1.  
PD 16-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1215  
ID AAE34069 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.

DE DKK 3 protein.  
PN WO200290992-A2.  
PD 14-NOV-2002.  
PA (AXOR-) AXORDIA LTD.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1216  
ID ABU72290 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2002182638-A1.  
PD 05-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1217  
ID ABU90963 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003018168-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1218  
ID ABO27284 standard; protein; 350 AA.  
DE Human secreted/transmembrane polypeptide PRO295.  
PN US2003009012-A1.  
PD 09-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1219  
ID ABU64539 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #43.  
PN US2002160374-A1.  
PD 31-OCT-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1220  
ID ABU67385 standard; protein; 350 AA.  
DE Human secreted protein PRO295.  
PN US2003023054-A1.  
PD 30-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1221  
ID ABU92479 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2003045684-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1222  
ID ABO14905 standard; protein; 350 AA.  
DE Human secreted / transmembrane polypeptide PRO295.  
PN US2003036060-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1223  
ID ABU81149 standard; protein; 350 AA.  
DE Human secreted polypeptide PRO295.  
PN US2003027212-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1224  
ID ABO53264 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.

PN US2003027986-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1225  
ID ABU98266 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2002183493-A1.  
PD 05-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1226  
ID ABU89271 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003036634-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1227  
ID ABU82478 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2002183494-A1.  
PD 05-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1228  
ID ABU69662 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003017463-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1229  
ID ABU96442 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003027993-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1230  
ID ABU72112 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003023042-A1.  
PD 30-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1231  
ID ABO14844 standard; protein; 350 AA.  
DE Human secreted / transmembrane polypeptide PRO295.  
PN US2003027143-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1232  
ID ADB29441 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003092002-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1233  
ID ADB17065 standard; protein; 350 AA.  
DE Human transmembrane PRO polypeptide (SeqID 8).  
PN US2003050462-A1.

PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1234  
ID ABO44242 standard; protein; 350 AA.  
DE Human secreted/transmembrane polypeptide PRO 295.  
PN US2003018172-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1235  
ID ADA18297 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003039971-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1236  
ID ABO32796 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2003045693-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1237  
ID ADA19870 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003069394-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1238  
ID ADB17253 standard; protein; 350 AA.  
DE Human transmembrane PRO polypeptide (SeqID 8).  
PN US2003050465-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1239  
ID ABO34856 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.  
PN US2003044793-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1240  
ID ADA16272 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003049621-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1241  
ID ADA20042 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003055222-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1242  
ID ABO34170 standard; protein; 350 AA.  
DE Human secreted/transmembrane polypeptide PRO 295.  
PN US2003060601-A1.  
PD 27-MAR-2003.

Fri Nov 30 07:56:31 2007

```
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 6; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1243
ID ADA42417 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003054401-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 6; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1244
ID ABO17534 standard; protein; 350 AA.
DE Human PRO polypeptide #41.
PN US2003064367-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 6; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1245
ID ADA00339 standard; protein; 350 AA.
DE Human secreted/transmembrane polypeptide PRO 295.
PN US2003027992-A1.
PD 08-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 6; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1246
ID ADA16696 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003039969-A1.
PD 27-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1247
ID ADA13125 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003049622-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1248
ID ADA41993 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003082540-A1.
PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1249
ID ADA17340 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003017498-A1.
PD 23-JAN-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1250
ID ADA42843 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003054351-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1251
ID ABO17595 standard; protein; 350 AA.
DE Human PRO polypeptide #41.
PN US2003064923-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1252
ID ADB95581 standard; protein; 350 AA.
DE Novel human secreted and transmembrane protein PRO295.
PN US2003049735-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1253
ID ADB77762 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003077654-A1.
PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1254
ID ADB74898 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003082542-A1.
PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1255
ID ADB68260 standard; protein; 350 AA.
DE Human PRO295 protein.
PN US2003065161-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1256
ID ADB68067 standard; protein; 350 AA.
DE Human PRO295 protein.
PN US2003060600-A1.
PD 27-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1257
ID ADB90884 standard; protein; 350 AA.
DE Novel human secreted and transmembrane protein PRO295.
PN US2003083473-A1.
PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1258
ID ADC28544 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003059772-A1.
PD 27-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1259
ID ADC39744 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003059828-A1.
PD 27-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1260
ID ADC40258 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003059829-A1.
PD 27-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 17.1%; Score 100.5; DB 7; Length 350;
```

Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1261  
ID ADC19082 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003036061-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1262  
ID ADC34382 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003036094-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1263  
ID ADC29437 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003049676-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1264  
ID ADC28968 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003049677-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1265  
ID ADC40853 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003054400-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1266  
ID ADC19510 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003054441-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1267  
ID ADC06964 standard; protein; 350 AA.  
DE Human PRO295 protein.  
PN US2003060602-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1268  
ID ADC17143 standard; protein; 350 AA.  
DE Mammalian PRO polypeptide (SeqID 8).  
PN US2003065143-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1269  
ID ADC33958 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003073077-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1270  
ID ADC13028 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003073079-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1271  
ID ADC14841 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003073208-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1272  
ID ADC52336 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003138882-A1.  
PD 24-JUL-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1273  
ID ADC12480 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003082541-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1274  
ID ADD10339 standard; protein; 350 AA.  
DE Human secreted/transmembrane PRO polypeptide #25.  
PN US2003105011-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1275  
ID ADD05035 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003104469-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1276  
ID ADD11299 standard; protein; 350 AA.  
DE Human secreted/transmembrane PRO polypeptide #25.  
PN US2003105013-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1277  
ID ADD04041 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003104381-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1278  
ID ADD03617 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003108983-A1.  
PD 12-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1279  
ID ADD03617 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003108983-A1.  
PD 12-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;

Fri Nov 30 07:56:31 2007

ID ADD37092 standard; protein; 350 AA.  
DE Human secreted/transmembrane PRO polypeptide #25.  
PD US2003105012-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1280  
ID ADD36012 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003105298-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1281  
ID ADB34869 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PD US2003077583-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1282  
ID AG01013 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003078387-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1283  
ID ADG08566 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003180793-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1284  
ID ADP95187 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003180795-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1285  
ID ADH24040 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003180918-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1286  
ID ADH34066 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003180858-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1287  
ID ADH29899 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003180859-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1288  
ID ADH23870 standard; protein; 350 AA.

DE Novel human secreted and transmembrane protein PRO295.  
PD US2003180919-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1289  
ID ADG85274 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003180904-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1290  
ID ADH24550 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003180907-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1291  
ID ADH37406 standard; protein; 350 AA.  
DE Human secreted and transmembrane protein PRO295.  
PD US2003181646-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1292  
ID ADH01995 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PD US2003180837-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1293  
ID ADH37576 standard; protein; 350 AA.  
DE Human secreted and transmembrane protein PRO295.  
PD US2003181648-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1294  
ID ADG85614 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003180905-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1295  
ID ADH24210 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003180914-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1296  
ID ADH38504 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PD US2003181643-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1297  
ID ADG83625 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.



PD US2003180794-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1298  
ID ADH29433 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180860-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1299  
ID ADH27549 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180906-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1300  
ID ADH37746 standard; protein; 350 AA.  
DE Human secreted and transmembrane protein PRO295.  
PN US2003181647-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1301  
ID ADH37923 standard; protein; 350 AA.  
DE Human secreted and transmembrane protein PRO295.  
PN US2003181649-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1302  
ID ADH57343 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180920-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1303  
ID ADH59352 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003039972-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1304  
ID ADH53485 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181636-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1305  
ID ADH53655 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181641-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1306  
ID ADH51991 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181638-A1.

PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1307  
ID ADH49846 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181639-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1308  
ID ADI25356 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181696-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1309  
ID ADH90149 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181698-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1310  
ID ADI25526 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181669-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1311  
ID ADH97700 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181672-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1312  
ID ADI38131 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003054352-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1313  
ID ADI03548 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181656-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1314  
ID ADI11905 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181686-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1315  
ID ADH89979 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181697-A1.  
PD 25-SEP-2003.

PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1316  
ID ADH98380 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181707-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1317  
ID ADI11055 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
FN US2003181682-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1318  
ID ADI11565 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
FN US2003181684-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1319  
ID ADH98210 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181709-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1320  
ID ADH98550 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181708-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1321  
ID ADH98040 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181673-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1322  
ID ADI05028 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003180848-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1323  
ID ADI03378 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181654-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1324  
ID ADI04773 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181657-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.

Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1325  
ID ADH78227 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
FN US2003181668-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1326  
ID ADI19571 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181676-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1327  
ID ADH90319 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181699-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1328  
ID ADI03038 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181653-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1329  
ID ADH77887 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
FN US2003181666-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1330  
ID ADH97870 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181674-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1331  
ID ADI01255 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003190669-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1332  
ID ADI01950 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181652-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1333  
ID ADI03208 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
FN US2003181655-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;

Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1334  
ID AD11395 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181681-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1335  
ID AD102297 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181650-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1336  
ID AD111735 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181685-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1337  
ID AD105372 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003190716-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1338  
ID ADH79444 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003191290-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1339  
ID AD119401 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181675-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1340  
ID AD105202 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181677-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1341  
ID ADH79614 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003191288-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1342  
ID AD101440 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181678-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1343  
ID AD101610 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181679-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1344  
ID AD101780 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181680-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1345  
ID ADH79784 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003191289-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1346  
ID AD104602 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003171550-A1.  
PD 11-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1347  
ID AD102738 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181651-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1348  
ID ADH78057 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181667-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1349  
ID AD125696 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181670-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1350  
ID AD125866 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181671-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1351  
ID ADK65378 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003073821-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1352

Fri Nov 30 07:56:31 2007

ID ADH98720 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003191284-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1353  
ID ADH79961 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003191287-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1354  
ID ADJ26399 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003054349-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1355  
ID ADL93692 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003040013-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1356  
ID ADP65205 standard; protein; 350 AA.  
DE Human dickkopf homologue 3, RIG-like 7-1, RIG-like 5-6.  
PN WO2003072827-A1.  
PD 04-SEP-2003.  
PA (CHIL-) CHILDREN'S HOSPITAL MEDICAL CENT.  
Query Match 17.1%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1357  
ID ADC52146 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003130483-A1.  
PD 10-JUL-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1358  
ID ADE79314 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003135025-A1.  
PD 17-JUL-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1359  
ID ADE79738 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003130489-A1.  
PD 10-JUL-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1360  
ID ADE73414 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003129592-A1.  
PD 10-JUL-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1361  
ID ADE41300 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180852-A1.  
PD 25-SEP-2003.

DE Human secreted/transmembrane PRO polypeptide #25.  
PN US2003100497-A1.  
PD 29-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1362  
ID ADE73949 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003148370-A1.  
PD 07-AUG-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1363  
ID ADE99503 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003211576-A1.  
PD 13-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1364  
ID ADE98622 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003211569-A1.  
PD 13-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1365  
ID ADE99049 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003211568-A1.  
PD 13-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1366  
ID ADG40519 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003225253-A1.  
PD 04-DEC-2003.  
PA (DESN/) DESNOYERS L.  
PA (GODD/) GODDARD A.  
PA (GODO/) GODOWSKI P J.  
PA (GURN/) GURNEY A L.  
PA (MATH/) MATHER J P.  
PA (WILL/) WILLIAMS P M.  
PA (WOOD/) WOOD W I.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1367  
ID ADF73913 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003180312-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1368  
ID ADF73489 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003166051-A1.  
PD 04-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 17.1%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1369  
ID ADH06578 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180852-A1.  
PD 25-SEP-2003.

PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1370  
 ID ADH06408 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180853-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1371  
 ID ADG68829 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180855-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1372  
 ID ADH27719 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180912-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1373  
 ID ADH25060 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180913-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1374  
 ID ADH33692 standard; protein; 350 AA.  
 DE Human PRO polypeptide #4.  
 PN US2003181645-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1375  
 ID ADG92332 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003027145-A1.  
 PD 06-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1376  
 ID ADH02335 standard; protein; 350 AA.  
 DE Human PRO polypeptide #4.  
 PN US2003180839-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1377  
 ID ADH07942 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180845-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1378  
 ID ADG69339 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180846-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.

Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1379  
 ID ADH39160 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180917-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1380  
 ID ADG92759 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003027146-A1.  
 PD 06-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1381  
 ID ADG83900 standard; protein; 350 AA.  
 DE Human PRO polypeptide #4.  
 PN US2003180842-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1382  
 ID ADG85444 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003166848-A1.  
 PD 04-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1383  
 ID ADH06238 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180854-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1384  
 ID ADH30068 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180856-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1385  
 ID ADH24380 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180910-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1386  
 ID ADG69509 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180844-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1387  
 ID ADH07772 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180851-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1388  
 ID ADH07772 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180851-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.

Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1388  
 ID ADH24890 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180909-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1389  
 ID ADH39507 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180915-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1390  
 ID ADH33522 standard; protein; 350 AA.  
 DE Human PRO polypeptide #4.  
 PN US2003181637-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1391  
 ID ADH33862 standard; protein; 350 AA.  
 DE Human PRO polypeptide #4.  
 PN US2003181644-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1392  
 ID ADH01072 standard; protein; 350 AA.  
 DE Human PRO polypeptide #4.  
 PN US2003180838-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1393  
 ID ADG69679 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180843-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1394  
 ID ADH02165 standard; protein; 350 AA.  
 DE Human PRO polypeptide #4.  
 PN US2003180841-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1395  
 ID ADG69169 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180847-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1396  
 ID ADG85954 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180862-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1397  
 ID ADH24890 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180909-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1398  
 ID ADH39507 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180915-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1399  
 ID ADH02505 standard; protein; 350 AA.  
 DE Human PRO polypeptide #4.  
 PN US2003180840-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1400  
 ID ADG69999 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180849-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1401  
 ID ADH07602 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180850-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1402  
 ID ADG86124 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180863-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1403  
 ID ADH24720 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180908-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1404  
 ID ADH25768 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180911-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1405  
 ID ADH38334 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180922-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1406

```

ID ADH20548 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2004005553-A1.
PD 08-JAN-2004.
PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1407
 DE ADH57173 standard; protein; 350 AA.
 DE Novel human secreted and transmembrane protein PRO295.
 PN US2003181642-A1.
 PD 25-SEP-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1408
 DE ADH43483 standard; protein; 350 AA.
 DE Human PRO polypeptide #25.
 PN US2003224984-A1.
 PD 04-DEC-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1409
 DE ADH07403 standard; protein; 350 AA.
 DE Human secreted/transmembrane protein, #45.
 PN US2004006211-A1.
 PD 08-JAN-2004.
 PA (DESN/) DESNOYERS L.
 PA (GODD/) GODDARD A.
 PA (GODO/) GODOWSKI P J.
 PA (GURN/) GURNEY A L.
 PA (MATH/) MATHER J P.
 PA (WILL/) WILLIAMS P M.
 PA (WOOD/) WOOD W I.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1410
 ID ADH52161 standard; protein; 350 AA.
 DE Novel human secreted and transmembrane protein PRO295.
 PN US2003180921-A1.
 PD 25-SEP-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1411
 ID ADH59948 standard; protein; 350 AA.
 DE Human secreted/transmembrane protein, #45.
 PN US2003215904-A1.
 PD 20-NOV-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1412
 ID ADH49527 standard; protein; 350 AA.
 DE Novel human secreted and transmembrane protein PRO295.
 PN US2003180857-A1.
 PD 25-SEP-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1413
 ID ADH06976 standard; protein; 350 AA.
 DE Human secreted/transmembrane protein, #45.
 PN US2004005665-A1.
 PD 08-JAN-2004.
 PA (DESN/) DESNOYERS L.
 PA (GODD/) GODDARD A.
 PA (GODO/) GODOWSKI P J.
 PA (GURN/) GURNEY A L.
 PA (MATH/) MATHER J P.
 PA (WILL/) WILLIAMS P M.
 PA (WOOD/) WOOD W I.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1414
 ID ADH90489 standard; protein; 350 AA.
 DE Novel human secreted and transmembrane protein PRO295.
 PN US2003181700-A1.
 PD 25-SEP-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1415
 ID ADI11225 standard; protein; 350 AA.
 DE Human PRO polypeptide #4.
 PN US2003181683-A1.
 PD 25-SEP-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1416
 ID ADI18718 standard; protein; 350 AA.
 DE Human secreted/transmembrane protein, #45.
 PN US2003152999-A1.
 PD 14-AUG-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1417
 ID ADH98890 standard; protein; 350 AA.
 DE Novel human secreted and transmembrane protein PRO295.
 PN US2003190698-A1.
 PD 09-OCT-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1418
 ID ADI65438 standard; protein; 350 AA.
 DE Human secreted/transmembrane protein, #45.
 PN US2003148419-A1.
 PD 07-AUG-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1419
 ID ADI02120 standard; protein; 350 AA.
 DE Novel human secreted and transmembrane protein PRO295.
 PN US2003190699-A1.
 PD 09-OCT-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1420
 ID ADH90659 standard; protein; 350 AA.
 DE Novel human secreted and transmembrane protein PRO295.
 PN US2003181701-A1.
 PD 25-SEP-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1421
 ID ADI37697 standard; protein; 350 AA.
 DE Human secreted/transmembrane protein, #45.
 PN US2003096340-A1.
 PD 22-MAY-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1422
 ID ADH97497 standard; protein; 350 AA.
 DE Human secreted/transmembrane protein, #45.
 PN US2003190610-A1.
 PD 09-OCT-2003.
 PA (GETH) GENENTECH INC.
 Query Match
 Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;
 RESULT 1423
 ID ADH06976 standard; protein; 350 AA.
 DE Human secreted/transmembrane protein, #45.
 PN US2004005665-A1.
 PD 08-JAN-2004.
 PA (DESN/) DESNOYERS L.
 PA (GODD/) GODDARD A.
 PA (GODO/) GODOWSKI P J.
 PA (GURN/) GURNEY A L.
 PA (MATH/) MATHER J P.
 PA (WILL/) WILLIAMS P M.
 PA (WOOD/) WOOD W I.

```



Best Local Similarity 37.7%; Pred. No. 0.045;  
RESULT 1423  
ID ADI5865 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003148371-A1.  
PD 07-AUG-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1424  
ID ADH60608 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2004023331-A1.  
PD 05-FEB-2004.  
PA (DESN/) DESNOYERS L.  
PA (GODD/) GODDARD A. J.  
PA (GODO/) GODOWSKI P. J.  
PA (GURN/) GURNEY A. L.  
PA (MATH/) MATHER J. P.  
PA (WILL/) WILLIAMS P. M.  
PA (WOOD/) WOOD W. I.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1425  
ID ADJ99665 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003187238-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1426  
ID ADL08858 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003186358-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1427  
ID ADJ98534 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003187197-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1428  
ID ADJ98704 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003187228-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1429  
ID ADH7863 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181703-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1430  
ID ADJ99097 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003186408-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1431  
ID ADJ99267 standard; protein; 350 AA.

DE Novel human secreted and transmembrane protein PRO295.  
PN US2003187196-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1432  
ID ADJ98885 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003187242-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1433  
ID ADH79033 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181702-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1434  
ID ADK0893 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003186407-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1435  
ID ADK14414 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003187229-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1436  
ID ADM25199 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003096233-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1437  
ID ADM29949 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003190611-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1438  
ID ADK82828 standard; protein; 350 AA.  
DE Human PRO polypeptide #25.  
PN US2004043927-A1.  
PD 04-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1439  
ID ADM80863 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2004058411-A1.  
PD 25-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 17.1%; Score 100.5; DB 8; Length 350;  
Pred. No. 0.045;  
RESULT 1440  
ID ADO06271 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.

PN US6686451-B1.  
 PD Q3-FEB-2004.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1441  
 ID ADR11123 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2004137561-A1.  
 PD 15-JUL-2004.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1442  
 ID ADR18032 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2004147017-A1.  
 PD 29-JUL-2004.  
 PA (ASHK/) ASHKENAZI A.  
 PA (BOTS/) BOTSTEIN D.  
 PA (DESN/) DESNOYERS L.  
 PA (EATO/) EATON D L.  
 PA (FERR/) FERRARA N.  
 PA (FILV/) FILVAROFF E.  
 PA (FONG/) FONG S.  
 PA (GAOW/) GAO W.  
 PA (GERB/) GERBER H.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI P J.  
 PA (GRIM/) GRIMALDI C J.  
 PA (GURN/) GURNEY A L.  
 PA (HILL/) HILLAN K J.  
 PA (KLJA/) KLJAVIN I J.  
 PA (MATH/) MATHER J P.  
 PA (PANJ/) PAN J.  
 PA (PAON/) PAONI N F.  
 PA (ROYM/) ROY M A.  
 PA (STEW/) STEWART T A.  
 PA (TUMA/) TUMAS D.  
 PA (WILL/) WILLIAMS P M.  
 PA (WOOD/) WOOD W I.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1443  
 ID ADS74671 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein #45.  
 PN US2004185531-A1.  
 PD 23-SEP-2004.  
 PA (ASHK/) ASHKENAZI A.  
 PA (BOTS/) BOTSTEIN D.  
 PA (DESN/) DESNOYERS L.  
 PA (EATO/) EATON D L.  
 PA (FERR/) FERRARA N.  
 PA (FILV/) FILVAROFF E.  
 PA (FONG/) FONG S.  
 PA (GAOW/) GAO W.  
 PA (GERB/) GERBER H.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI P J.  
 PA (GRIM/) GRIMALDI C J.  
 PA (GURN/) GURNEY A L.  
 PA (HILL/) HILLAN K J.  
 PA (KLJA/) KLJAVIN I J.  
 PA (MATH/) MATHER J P.  
 PA (PANJ/) PAN J.  
 PA (PAON/) PAONI N F.  
 PA (ROYM/) ROY M A.  
 PA (STEW/) STEWART T A.  
 PA (TUMA/) TUMAS D.  
 PA (WILL/) WILLIAMS P M.  
 PA (WOOD/) WOOD W I.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1444  
 ID ADR11123 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2004137561-A1.  
 PD 15-JUL-2004.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1445  
 ID ADY77703 standard; protein; 350 AA.  
 DE Neoplastic disease detection protein PRO295.  
 PN US2005059102-A1.  
 PD 17-MAR-2005.  
 PA (EATO/) EATON D L.  
 PA (FILV/) FILVAROFF E.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI P J.  
 PA (GRIM/) GRIMALDI J C.  
 PA (GURN/) GURNEY A L.  
 PA (WATA/) WATANABE C K.  
 PA (WOOD/) WOOD W I.  
 Query Match 17.1%; Score 100.5; DB 9; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1446  
 ID AEA37946 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2005112725-A1.  
 PD 26-MAY-2005.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 9; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1447  
 ID AED23980 standard; protein; 350 AA.  
 DE Human secreted protein PRO 295, SEQ ID 236.  
 PN US2005214904-A1.  
 PD 29-SEP-2005.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 9; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1448  
 ID AEE69149 standard; protein; 350 AA.  
 DE Integrin homologous PRO295 protein, SEQ ID 236.  
 PN US6974689-B1.  
 PD 13-DEC-2005.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 10; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1449  
 ID AEF12534 standard; protein; 350 AA.  
 DE Human PRO295 protein SEQ ID NO:8.  
 PN US200608901-A1.  
 PD 12-JAN-2006.  
 PA (GETH ) GENENTECH INC.  
 Query Match 17.1%; Score 100.5; DB 10; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1450  
 ID AEF74223 standard; protein; 350 AA.  
 DE Human PRO295 protein SEQ ID NO:8.  
 PN US2005260647-A1.  
 PD 24-NOV-2005.  
 PA (EATO/) EATON D L.  
 PA (FILV/) FILVAROFF E.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI P J.  
 PA (GRIM/) GRIMALDI J C.  
 PA (GURN/) GURNEY A L.  
 PA (WATA/) WATANABE C K.  
 PA (WOOD/) WOOD W I.  
 Query Match 17.1%; Score 100.5; DB 10; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1451  
 ID AEF74223 standard; protein; 350 AA.  
 DE Human PRO295 protein SEQ ID NO:8.  
 PN US2005260647-A1.  
 PD 24-NOV-2005.  
 PA (EATO/) EATON D L.  
 PA (FILV/) FILVAROFF E.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI P J.  
 PA (GRIM/) GRIMALDI J C.  
 PA (GURN/) GURNEY A L.  
 PA (WATA/) WATANABE C K.  
 PA (WOOD/) WOOD W I.  
 Query Match 17.1%; Score 100.5; DB 10; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1452  
 ID AEF74223 standard; protein; 350 AA.  
 DE Human PRO295 protein SEQ ID NO:8.  
 PN US2005260647-A1.  
 PD 24-NOV-2005.  
 PA (EATO/) EATON D L.  
 PA (FILV/) FILVAROFF E.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI P J.  
 PA (GRIM/) GRIMALDI J C.  
 PA (GURN/) GURNEY A L.  
 PA (WATA/) WATANABE C K.  
 PA (WOOD/) WOOD W I.  
 Query Match 17.1%; Score 100.5; DB 10; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1453  
 ID AEF74223 standard; protein; 350 AA.  
 DE Human PRO295 protein SEQ ID NO:8.  
 PN US2005260647-A1.  
 PD 24-NOV-2005.  
 PA (EATO/) EATON D L.  
 PA (FILV/) FILVAROFF E.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI P J.  
 PA (GRIM/) GRIMALDI J C.  
 PA (GURN/) GURNEY A L.  
 PA (WATA/) WATANABE C K.  
 PA (WOOD/) WOOD W I.  
 Query Match 17.1%; Score 100.5; DB 10; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1454  
 ID AEF74223 standard; protein; 350 AA.  
 DE Human PRO295 protein SEQ ID NO:8.  
 PN US2005260647-A1.  
 PD 24-NOV-2005.  
 PA (EATO/) EATON D L.  
 PA (FILV/) FILVAROFF E.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI P J.  
 PA (GRIM/) GRIMALDI J C.  
 PA (GURN/) GURNEY A L.  
 PA (WATA/) WATANABE C K.  
 PA (WOOD/) WOOD W I.  
 Query Match 17.1%; Score 100.5; DB 10; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1455  
 ID AEF74223 standard; protein; 350 AA.  
 DE Human PRO295 protein SEQ ID NO:8.  
 PN US2005260647-A1.  
 PD 24-NOV-2005.  
 PA (EATO/) EATON D L.  
 PA (FILV/) FILVAROFF E.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI P J.  
 PA (GRIM/) GRIMALDI J C.  
 PA (GURN/) GURNEY A L.  
 PA (WATA/) WATANABE C K.  
 PA (WOOD/) WOOD W I.  
 Query Match 17.1%; Score 100.5; DB 10; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.045;  
 RESULT 1456  
 ID AEF74223 standard; protein; 350 AA.  
 DE Human PRO295 protein SEQ ID NO:8.  
 PN US2005260647-A1.  
 PD 24-NOV-2005.  
 PA (EATO/) EATON D L.  
 PA (FILV/) FILVAROFF E.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI

```
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1451
ID AEF68232 standard; protein; 350 AA.
DE Human Dickkopf homolog 3 (DKK-3) protein.
PN WO2006010534-A1.
PD 02-FEB-2006.
PA (HOFF) HOFFMANN LA ROCHE & CO AG F.
Query Match 17.1%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1452
ID AEF68232 standard; protein; 350 AA.
DE PRO295 protein sequence, SEQ ID 8.
PN US2006099657-A1.
PD 11-MAY-2006.
PA (BATO/) EATON D L.
PA (FILV/) FILVAROFF E.
PA (GERR/) GERRITSEN M E.
PA (GODD/) GODDARD A.
PA (GODO/) GODOWSKI P J.
PA (GRIM/) GRIMALDI J C.
PA (GURN/) GURNEY A L.
PA (WATA/) WATANABE C K.
PA (WOOD/) WOOD W I.
Query Match 17.1%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1453
ID AEF11886 standard; protein; 350 AA.
DE Novel human secreted and transmembrane protein PRO295.
PN US2006160186-A1.
PD 20-JUL-2006.
PA (BATO/) EATON D L.
PA (FILV/) FILVAROFF E.
PA (GERR/) GERRITSEN M E.
PA (GODD/) GODDARD A.
PA (GODO/) GODOWSKI P J.
PA (GRIM/) GRIMALDI J C.
PA (GURN/) GURNEY A L.
PA (WATA/) WATANABE C K.
PA (WOOD/) WOOD W I.
Query Match 17.1%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1454
ID AEF49625 standard; protein; 350 AA.
DE Heterologous polypeptide HG1018473P1.
PN WO2006081430-A2.
PD 03-AUG-2006.
PA (FIVE-) FIVE PRIME THERAPEUTICS INC.
Query Match 17.1%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1455
ID AEF39393 standard; protein; 350 AA.
DE Benign prostatic hyperplasia-related protein, DKK3.
PN WO2006083657-A2.
PD 10-AUG-2006.
PA (BATU) BAYLOR COLLEGE MEDICINE.
Query Match 17.1%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1456
ID AEF75467 standard; protein; 350 AA.
DE Human dickkopf homolog 3, SEQ ID NO: 35.
PN KR2005092859-A.
PD 22-SEP-2005.
PA (UYKY-) UNIV KYUNGPOOK NAT IND ACADEMIC COOP.
Query Match 17.1%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.045;
RESULT 1457
ID AAW73021 standard; protein; 349 AA.
DE Mouse cysteine-rich secreted protein-1.
PN WO9846755-A1.
PD 22-OCT-1998.
PA (MILL-) MILLENNIUM BIOTHEAPEUTICS INC.
Query Match 16.7%; Score 98.5; DB 2; Length 349;
Best Local Similarity 37.7%; Pred. No. 0.074;

RESULT 1458
ID AAY92069 standard; protein; 349 AA.
DE Murine DKR-3.
PN WO200018914-A2.
PD 06-APR-2000.
PA (AMGE-) AMGEN INC.
Query Match 16.7%; Score 98.5; DB 3; Length 349;
Best Local Similarity 37.7%; Pred. No. 0.074;
RESULT 1459
ID AAB08879 standard; protein; 349 AA.
DE A murine Dickkopf (Dkk)-3 protein.
PN WO200052047-A2.
PD 08-SEP-2000.
PA (MILL-) MILLENNIUM PHARM INC.
Query Match 16.7%; Score 98.5; DB 3; Length 349;
Best Local Similarity 37.7%; Pred. No. 0.074;
RESULT 1460
ID AEF68233 standard; protein; 349 AA.
DE Murine Dickkopf homolog 3 (DKK-3) protein.
PN WO2006010534-A1.
PD 02-FEB-2006.
PA (HOFF) HOFFMANN LA ROCHE & CO AG F.
Query Match 16.7%; Score 98.5; DB 10; Length 349;
Best Local Similarity 37.7%; Pred. No. 0.074;
RESULT 1461
ID ADB82539 standard; protein; 84 AA.
DE Antibody that binds to DKK #6.
PN WO200292015-A2.
PD 21-NOV-2002.
PA (GENO-) GENOME THERAPEUTICS CORP.
PA (AMHP) WYETH.
Query Match 16.5%; Score 97; DB 7; Length 84;
Best Local Similarity 32.3%; Pred. No. 0.024;
RESULT 1462
ID ADB82541 standard; protein; 107 AA.
DE Antibody that binds to DKK #8.
PN WO200292015-A2.
PD 21-NOV-2002.
PA (GENO-) GENOME THERAPEUTICS CORP.
PA (AMHP) WYETH.
Query Match 16.5%; Score 97; DB 7; Length 107;
Best Local Similarity 32.3%; Pred. No. 0.03;
RESULT 1463
ID ADU66981 standard; protein; 108 AA.
DE Human DDK-1 LRP-6 binding domain.
PN US2004235166-A1.
PD 25-NOV-2004.
PA (PROCK/) PROCKOP D.
PA (SEKI/) SEKIYA I.
PA (GREG/) GREGORY C.
PA (SPEE/) SPEES J.
PA (SMIT/) SMITH J.
PA (POCH/) POCHAMPALLY R.
Query Match 16.5%; Score 97; DB 8; Length 108;
Best Local Similarity 32.3%; Pred. No. 0.031;
RESULT 1464
ID ADZ51669 standard; protein; 108 AA.
DE Dickkopf-1 LDL receptor-related protein 6 binding site.
PN US2005084494-A1.
PD 21-APR-2005.
PA (PROCK/) PROCKOP D.
PA (GREG/) GREGORY C.
PA (GUNN/) GUNN W.
Query Match 16.5%; Score 97; DB 9; Length 108;
Best Local Similarity 32.3%; Pred. No. 0.031;
RESULT 1465
ID ADE82538 standard; protein; 128 AA.
DE Antibody that binds to DKK #5.
PN WO200292015-A2.
PD 21-NOV-2002.
PA (GENO-) GENOME THERAPEUTICS CORP.
PA (AMHP) WYETH.
Query Match 16.5%; Score 97; DB 7; Length 128;
```

Best Local Similarity 32.3%; Pred. No. 0.037;  
 RESULT 1466  
 ID ADE82540 standard; protein; 149 AA.  
 DE Antibody that binds to DKK #7.  
 PN WO200292015-A2.  
 PD 21-NOV-2002.  
 PA (GENO-) GENOME THERAPEUTICS CORP.  
 PA (AMHP) WYETH.  
 Query Match 16.5%; Score 97; DB 7; Length 149;  
 Best Local Similarity 32.3%; Pred. No. 0.043;  
 RESULT 1467  
 ID ADB99065 standard; protein; 151 AA.  
 DE LRP5 constrained peptide OST264.  
 PN WO200292000-A2.  
 PD 21-NOV-2002.  
 PA (GENO-) GENOME THERAPEUTICS CORP.  
 PA (AMHP) WYETH.  
 Query Match 16.5%; Score 97; DB 7; Length 151;  
 Best Local Similarity 32.3%; Pred. No. 0.044;  
 RESULT 1468  
 ID ADE82633 standard; protein; 151 AA.  
 DE LRP5 peptide aptamer #10.  
 PN WO200292015-A2.  
 PD 21-NOV-2002.  
 PA (GENO-) GENOME THERAPEUTICS CORP.  
 PA (AMHP) WYETH.  
 Query Match 16.5%; Score 97; DB 7; Length 151;  
 Best Local Similarity 32.3%; Pred. No. 0.044;  
 RESULT 1469  
 ID ADE82537 standard; protein; 170 AA.  
 DE Antibody that binds to DKK #4.  
 PN WO200292015-A2.  
 PD 21-NOV-2002.  
 PA (GENO-) GENOME THERAPEUTICS CORP.  
 PA (AMHP) WYETH.  
 Query Match 16.5%; Score 97; DB 7; Length 170;  
 Best Local Similarity 32.3%; Pred. No. 0.05;  
 RESULT 1470  
 ID ADB99066 standard; protein; 172 AA.  
 DE LRP5 constrained peptide OST265.  
 PN WO200292000-A2.  
 PD 21-NOV-2002.  
 PA (GENO-) GENOME THERAPEUTICS CORP.  
 PA (AMHP) WYETH.  
 Query Match 16.5%; Score 97; DB 7; Length 172;  
 Best Local Similarity 32.3%; Pred. No. 0.05;  
 RESULT 1471  
 ID ADE82634 standard; protein; 172 AA.  
 DE LRP5 peptide aptamer #11.  
 PN WO200292015-A2.  
 PD 21-NOV-2002.  
 PA (GENO-) GENOME THERAPEUTICS CORP.  
 PA (AMHP) WYETH.  
 Query Match 16.5%; Score 97; DB 7; Length 172;  
 Best Local Similarity 32.3%; Pred. No. 0.05;  
 RESULT 1472  
 ID ADO35296 standard; protein; 180 AA.  
 DE Human Dkk1 carboxy terminal cysteine rich region.  
 PN US2004014209-A1.  
 PD 22-JAN-2004.  
 PA (LASS) LASSAR A B.  
 PA (MERC) GUPTA R.  
 PA (GUPT) GUPTA R.  
 PA (MARV) MARVIN M.  
 PA (SCHN) SCHNEIDER V.  
 PA (TZAHO) TZAHOOR B.  
 PA (BROT) BROTT B.  
 PA (SOKO) SOKOL S.  
 Query Match 16.5%; Score 97; DB 8; Length 180;  
 Best Local Similarity 32.3%; Pred. No. 0.053;  
 RESULT 1473  
 ID ADE82535 standard; protein; 212 AA.  
 DE Antibody that binds to DKK #2.

PN WO200292015-A2.  
 PD 21-NOV-2002.  
 PA (GENO-) GENOME THERAPEUTICS CORP.  
 PA (AMHP) WYETH.  
 Query Match 16.5%; Score 97; DB 7; Length 212;  
 Best Local Similarity 32.3%; Pred. No. 0.063;  
 RESULT 1474  
 ID ADE82534 standard; protein; 233 AA.  
 DE Antibody that binds to DKK #1.  
 PN WO200292015-A2.  
 PD 21-NOV-2002.  
 PA (GENO-) GENOME THERAPEUTICS CORP.  
 PA (AMHP) WYETH.  
 Query Match 16.5%; Score 97; DB 7; Length 233;  
 Best Local Similarity 32.3%; Pred. No. 0.069;  
 RESULT 1475  
 ID AEA38731 standard; protein; 265 AA.  
 DE Human dickkopf-1 (Dkk-1) protein, SEQ ID NO: 21 #1.  
 PN WO2005049640-A2.  
 PD 02-JUN-2005.  
 PA (MERI) MERCK & CO INC.  
 Query Match 16.5%; Score 97; DB 9; Length 265;  
 Best Local Similarity 32.3%; Pred. No. 0.079;  
 RESULT 1476  
 ID AAW73018 standard; protein; 266 AA.  
 DE Human cysteine-rich secreted protein CRSP-3.  
 PN WO9846755-A1.  
 PD 22-OCT-1998.  
 PA (MILL) MILLENNIUM BIOTHERAPEUTICS INC.  
 Query Match 16.5%; Score 97; DB 2; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1477  
 ID AAY41757 standard; protein; 266 AA.  
 DE Human PRO1008 protein sequence.  
 PN WO9946281-A2.  
 PD 16-SEP-1999.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 2; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1478  
 ID AAY92071 standard; protein; 266 AA.  
 DE Human DKR-1.  
 PN WO200018914-A2.  
 PD 06-APR-2000.  
 PA (AMGE) AMGEN INC.  
 Query Match 16.5%; Score 97; DB 3; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1479  
 ID AAB44313 standard; protein; 266 AA.  
 DE Human PRO1008 (UNQ492) protein sequence SEQ ID NO:456.  
 PN WO200053756-A2.  
 PD 14-SEP-2000.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 3; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1480  
 ID AAB08876 standard; protein; 266 AA.  
 DE Amino acid sequence of a human Dickkopf (Dkk)-1 protein.  
 PN WO200052047-A2.  
 PD 08-SEP-2000.  
 PA (MILL) MILLENNIUM PHARM INC.  
 Query Match 16.5%; Score 97; DB 3; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1481  
 ID AAU12385 standard; protein; 266 AA.  
 DE Human PRO1008 polypeptide sequence.  
 PN WO200140466-A2.  
 PD 07-JUN-2001.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 4; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1482  
 ID AAW78517 standard; protein; 266 AA.

DE Human protein SEQ ID NO 1179.  
 PN WO200157190-A2.  
 PD 09-AUG-2001.  
 PA (HYSE-) HYSEQ INC.  
 Query Match 16.5%; Score 97; DB 4; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1483  
 ID ABO17829 standard; protein; 266 AA.  
 DE Novel human secreted and transmembrane protein PRO1008.  
 PN US2003032156-A1.  
 PD 13-FEB-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1484  
 ID ABO25259 standard; protein; 266 AA.  
 DE Novel human secreted and transmembrane protein PRO1008.  
 PN US2003050239-A1.  
 PD 13-MAR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1485  
 ID ABU81083 standard; protein; 266 AA.  
 DE Human PRO polypeptide #214.  
 PN US2003004311-A1.  
 PD 02-JAN-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1486  
 ID ABU72265 standard; protein; 266 AA.  
 DE Novel human secreted and transmembrane protein PRO1008.  
 PN US2002192706-A1.  
 PD 19-DEC-2002.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1487  
 ID ABU66783 standard; protein; 266 AA.  
 DE Human PRO polypeptide #214.  
 PN US2003036180-A1.  
 PD 20-FEB-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1488  
 ID ABU55913 standard; protein; 266 AA.  
 DE Human protein DKK1.  
 PN WO200277204-A2.  
 PD 03-OCT-2002.  
 PA (AXOR-) AXORDIA LTD.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1489  
 ID ABU84945 standard; protein; 266 AA.  
 DE Human secreted and transmembrane PRO polypeptide #21.  
 PN US2002177553-A1.  
 PD 28-NOV-2002.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1490  
 ID AAE34067 standard; protein; 266 AA.  
 DE DKK1 protein.  
 PN WO200290992-A2.  
 PD 14-NOV-2002.  
 PA (AXOR-) AXORDIA LTD.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1491  
 ID ABU59864 standard; protein; 266 AA.  
 DE Novel secreted and transmembrane protein PRO1008.

PN US2003017563-A1.  
 PD 23-JAN-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1492  
 ID ABU61143 standard; protein; 266 AA.  
 DE Human PRO1008 polypeptide.  
 PN US2002169284-A1.  
 PD 14-NOV-2002.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1493  
 ID ABU57630 standard; protein; 266 AA.  
 DE Differentially expressed breast cancer associated protein #17.  
 PN US2002156263-A1.  
 PD 24-OCT-2002.  
 PA (CHEN/) CHEN H.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1494  
 ID ABO25054 standard; protein; 266 AA.  
 DE Human secreted/transmembrane protein (PRO) #214.  
 PN US2003036179-A1.  
 PD 20-FEB-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1495  
 ID ABR01793 standard; protein; 266 AA.  
 DE Human cancer-related protein, 151P1C7A.  
 PN WO200283921-A2.  
 PD 24-OCT-2002.  
 PA (AGEN-) AGENSYS INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1496  
 ID ABU80412 standard; protein; 266 AA.  
 DE Human secreted/transmembrane protein PRO1008.  
 PN US2003004102-A1.  
 PD 02-JAN-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1497  
 ID ABU67059 standard; protein; 266 AA.  
 DE Human secreted/transmembrane, PRO, protein SEQ ID 428.  
 PN US2003032155-A1.  
 PD 13-FEB-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1498  
 ID ADA45947 standard; protein; 266 AA.  
 DE Novel human secreted and transmembrane protein PRO1008.  
 PN US2003022328-A1.  
 PD 30-JAN-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1499  
 ID ADA76378 standard; protein; 266 AA.  
 DE Human PRO polypeptide #214.  
 PN US2003073212-A1.  
 PD 17-APR-2003.  
 PA (GETH) GENENTECH INC.  
 Query Match 16.5%; Score 97; DB 6; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.08;  
 RESULT 1500  
 ID ADA19028 standard; protein; 266 AA.  
 DE Human PRO polypeptide #214.  
 PN US2003054517-A1.

PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 16.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.08;

GenCore version 6.2.1  
Copyright (c) 1993 - 2007 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: November 29, 2007, 17:24:47 ; Search time 13 Seconds

(without alignments)  
519.494 Million cell updates/sec

Title: US-10-692-299-2

Perfect score: 589

Sequence: 1 MRGATRVSIMLLLVTSVSDCA.....CSRPFDPGRYRCDLKNINF 105

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 284443 seqs, 65276767 residues

Total number of hits satisfying chosen parameters: 284443

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database : Published Applications AA New:\*

- 1: /EMC\_Ceiera\_SIDS2/ptodata/2/pubpaa/US09\_NEW\_PUB.pdb:\*
- 2: /EMC\_Ceiera\_SIDS2/ptodata/2/pubpaa/US06\_NEW\_PUB.pdb:\*
- 3: /EMC\_Ceiera\_SIDS2/ptodata/2/pubpaa/US07\_NEW\_PUB.pdb:\*
- 4: /EMC\_Ceiera\_SIDS2/ptodata/2/pubpaa/US08\_NEW\_PUB.pdb:\*
- 5: /EMC\_Ceiera\_SIDS2/ptodata/2/pubpaa/PCT\_NEW\_PUB.pdb:\*
- 6: /EMC\_Ceiera\_SIDS2/ptodata/2/pubpaa/US10\_NEW\_PUB.pdb:\*
- 7: /EMC\_Ceiera\_SIDS2/ptodata/2/pubpaa/US11\_NEW\_PUB.pdb:\*
- 8: /EMC\_Ceiera\_SIDS2/ptodata/2/pubpaa/US60\_NEW\_PUB.pdb:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description          |
|------------|-------|-------------|--------|-------|----------------------|
| 2          | 589   | 100.0       | 105    | 7     | US-11-552-437-166    |
| 3          | 589   | 100.0       | 105    | 7     | US-11-537-472-2      |
| 4          | 589   | 100.0       | 105    | 7     | US-11-537-235-470    |
| 5          | 589   | 100.0       | 105    | 7     | US-11-553-810-470    |
| 6          | 498   | 84.6        | 86     | 7     | US-11-536-880-7      |
| 7          | 311.5 | 52.9        | 79     | 7     | US-11-537-472-5      |
| 8          | 306   | 52.0        | 100    | 7     | US-11-537-472-4      |
| 9          | 303   | 51.4        | 108    | 7     | US-11-536-880-4      |
| 10         | 298   | 50.6        | 107    | 7     | US-11-536-880-6      |
| 11         | 282.5 | 48.0        | 129    | 7     | US-11-536-880-2      |
| 13         | 100.5 | 17.1        | 83     | 7     | US-11-537-472-6      |
| 14         | 100.5 | 17.1        | 350    | 6     | US-10-594-211-251    |
| 15         | 97    | 16.5        | 266    | 6     | US-10-594-211-154    |
| 16         | 97    | 16.5        | 266    | 7     | US-11-537-235-428    |
| 17         | 97    | 16.5        | 266    | 7     | US-11-553-810-428    |
| 18         | 95.5  | 16.2        | 79     | 7     | US-11-537-472-7      |
| 19         | 83.5  | 14.2        | 1814   | 7     | US-11-257-477-162    |
| 20         | 78.5  | 13.3        | 1581   | 7     | US-11-649-663A-906   |
| 21         | 76.5  | 13.0        | 2762   | 7     | US-11-649-663A-2676  |
| 22         | 75    | 12.7        | 1563   | 7     | US-11-649-663A-2514  |
| 23         | 75    | 12.6        | 1565   | 7     | US-11-649-663A-2142  |
| 24         | 74.5  | 12.6        | 536    | 7     | US-11-360-355-149216 |
| 25         | 74.5  | 12.6        | 593    | 7     | US-11-528-927-483    |
| 26         | 74.5  | 12.6        | 593    | 7     | US-11-528-950-483    |
| 27         | 74.5  | 12.6        | 3942   | 7     | US-11-726-028-2      |

|     |      |      |      |   |                      |                    |
|-----|------|------|------|---|----------------------|--------------------|
| 28  | 74.5 | 12.6 | 4125 | 7 | US-11-726-028-1      | Sequence 1, Appli  |
| 29  | 74   | 12.6 | 1248 | 7 | US-11-649-663A-934   | Sequence 934, App  |
| 30  | 73   | 12.4 | 435  | 7 | US-11-799-117-10     | Sequence 10, Appl  |
| 31  | 73   | 12.4 | 461  | 6 | US-10-551-004-74     | Sequence 74, Appl  |
| 32  | 73   | 12.4 | 461  | 7 | US-11-714-841-462    | Sequence 462, App  |
| 33  | 73   | 12.4 | 461  | 7 | US-11-714-841-467    | Sequence 467, App  |
| 34  | 73   | 12.4 | 461  | 7 | US-11-799-117-4      | Sequence 4, Appli  |
| 35  | 73   | 12.4 | 461  | 7 | US-11-783-419-462    | Sequence 462, App  |
| 36  | 73   | 12.4 | 461  | 7 | US-11-783-419-467    | Sequence 467, App  |
| 37  | 73   | 12.4 | 461  | 7 | US-11-741-492-186    | Sequence 186, App  |
| 38  | 73   | 12.4 | 467  | 7 | US-11-502-761-618    | Sequence 618, App  |
| 39  | 73   | 12.4 | 844  | 7 | US-11-714-841-246    | Sequence 246, App  |
| 40  | 73   | 12.4 | 844  | 7 | US-11-714-841-251    | Sequence 251, App  |
| 41  | 73   | 12.4 | 844  | 7 | US-11-783-419-246    | Sequence 246, App  |
| 42  | 73   | 12.4 | 844  | 7 | US-11-783-419-251    | Sequence 251, App  |
| 43  | 73   | 12.4 | 1170 | 7 | US-11-649-663A-1988  | Sequence 1988, Ap  |
| 44  | 73   | 12.4 | 3075 | 7 | US-11-633-858-220    | Sequence 220, App  |
| 45  | 73   | 12.4 | 3204 | 7 | US-11-649-663A-2004  | Sequence 2004, Ap  |
| 46  | 72.5 | 12.3 | 183  | 7 | US-11-689-173-6573   | Sequence 6573, Ap  |
| 47  | 72.5 | 12.3 | 183  | 7 | US-11-689-173-9632   | Sequence 9632, Ap  |
| 48  | 72.5 | 12.3 | 1391 | 7 | US-11-649-663A-4782  | Sequence 4782, Ap  |
| 49  | 72.5 | 12.3 | 2871 | 6 | US-10-529-351A-4185  | Sequence 4185, Ap  |
| 50  | 71.5 | 12.1 | 199  | 7 | US-11-360-355-119444 | Sequence 119444,   |
| 51  | 71.5 | 12.1 | 524  | 6 | US-10-663-431-160    | Sequence 160, App  |
| 52  | 71.5 | 12.1 | 559  | 6 | US-10-663-431-152    | Sequence 152, App  |
| 53  | 71.5 | 12.1 | 566  | 6 | US-10-663-431-162    | Sequence 162, App  |
| 54  | 71.5 | 12.1 | 581  | 6 | US-10-663-431-154    | Sequence 154, App  |
| 55  | 71.5 | 12.1 | 601  | 6 | US-10-663-431-168    | Sequence 168, App  |
| 56  | 71.5 | 12.1 | 639  | 6 | US-10-663-431-158    | Sequence 158, App  |
| 57  | 71.5 | 12.1 | 659  | 6 | US-10-663-431-150    | Sequence 150, App  |
| 58  | 71.5 | 12.1 | 681  | 6 | US-10-663-431-166    | Sequence 166, App  |
| 59  | 71.5 | 12.1 | 698  | 6 | US-10-663-431-156    | Sequence 156, App  |
| 60  | 71.5 | 12.1 | 701  | 6 | US-10-663-431-164    | Sequence 164, App  |
| 61  | 71.5 | 12.1 | 703  | 6 | US-10-589-677-57     | Sequence 57, Appl  |
| 62  | 71   | 12.1 | 593  | 6 | US-10-529-351A-4846  | Sequence 4846, Ap  |
| 63  | 71   | 12.1 | 789  | 7 | US-11-649-663A-818   | Sequence 818, App  |
| 64  | 71   | 12.1 | 789  | 7 | US-11-649-663A-1730  | Sequence 1730, Ap  |
| 65  | 71   | 12.1 | 1883 | 7 | US-11-649-663A-708   | Sequence 708, App  |
| 66  | 70.5 | 12.0 | 2380 | 7 | US-11-649-663A-1698  | Sequence 1698, Ap  |
| 67  | 70   | 11.9 | 682  | 6 | US-10-438-246-33505  | Sequence 33505, A  |
| 68  | 70   | 11.9 | 1255 | 7 | US-11-649-663A-1594  | Sequence 1594, Ap  |
| 69  | 70   | 11.9 | 1673 | 7 | US-11-649-663A-1178  | Sequence 1178, Ap  |
| 70  | 70   | 11.9 | 2658 | 7 | US-11-649-663A-2464  | Sequence 2464, Ap  |
| 71  | 70   | 11.9 | 3250 | 7 | US-11-649-663A-2262  | Sequence 2262, Ap  |
| 72  | 70   | 11.9 | 3682 | 7 | US-11-649-663A-2486  | Sequence 2486, Ap  |
| 73  | 69.5 | 11.8 | 1353 | 7 | US-11-649-663A-66    | Sequence 66, Appl  |
| 74  | 69   | 11.7 | 1131 | 7 | US-11-649-663A-1604  | Sequence 1604, Ap  |
| 75  | 69   | 11.7 | 1345 | 7 | US-11-649-663A-2248  | Sequence 2248, Ap  |
| 76  | 69   | 11.7 | 1568 | 7 | US-11-649-663A-2546  | Sequence 2546, Ap  |
| 77  | 69   | 11.7 | 1595 | 7 | US-11-649-663A-2100  | Sequence 2100, Ap  |
| 78  | 69   | 11.7 | 2910 | 7 | US-11-403-116-1113   | Sequence 1113, Ap  |
| 79  | 68.5 | 11.6 | 240  | 6 | US-10-438-246-8761   | Sequence 8761, Ap  |
| 80  | 68.5 | 11.6 | 724  | 7 | US-11-360-355-131955 | Sequence 131955,   |
| 81  | 68.5 | 11.6 | 827  | 6 | US-10-438-246-20733  | Sequence 20733, A  |
| 82  | 68.5 | 11.6 | 1081 | 7 | US-11-649-663A-308   | Sequence 308, App  |
| 83  | 68.5 | 11.6 | 1112 | 7 | US-11-709-841-51     | Sequence 51, Appl  |
| 84  | 68.5 | 11.6 | 1133 | 7 | US-11-709-841-56     | Sequence 56, Appl  |
| 85  | 68.5 | 11.6 | 1375 | 7 | US-11-625-272-144    | Sequence 144, App  |
| 86  | 68.5 | 11.6 | 3392 | 7 | US-11-649-663A-1654  | Sequence 1654, App |
| 87  | 68   | 11.5 | 121  | 7 | US-11-689-173-5816   | Sequence 5816, Ap  |
| 88  | 68   | 11.5 | 121  | 7 | US-11-689-173-9242   | Sequence 9242, Ap  |
| 89  | 68   | 11.5 | 1300 | 7 | US-11-649-663A-112   | Sequence 112, App  |
| 90  | 68   | 11.5 | 1302 | 7 | US-11-649-663A-2152  | Sequence 2152, Ap  |
| 91  | 67.5 | 11.5 | 117  | 7 | US-11-689-173-11210  | Sequence 11210, A  |
| 92  | 67.5 | 11.5 | 169  | 6 | US-10-767-701-56401  | Sequence 56401, A  |
| 93  | 67.5 | 11.5 | 222  | 6 | US-10-767-701-56855  | Sequence 56855, A  |
| 94  | 67.5 | 11.5 | 863  | 7 | US-11-713-768-82720  | Sequence 82720, A  |
| 95  | 67.5 | 11.5 | 893  | 7 | US-11-713-768-82719  | Sequence 82719, A  |
| 96  | 67.5 | 11.5 | 894  | 7 | US-11-649-663A-1892  | Sequence 1892, Ap  |
| 97  | 67.5 | 11.5 | 895  | 7 | US-11-713-768-82718  | Sequence 82718, A  |
| 98  | 67.5 | 11.5 | 957  | 7 | US-11-649-663A-1976  | Sequence 1976, A   |
| 99  | 67.5 | 11.5 | 1094 | 7 | US-11-649-663A-1356  | Sequence 1356, Ap  |
| 100 | 67.5 | 11.5 | 1641 | 7 | US-11-649-663A-760   | Sequence 760, App  |



|     |      |      |      |   |                      |                    |     |      |      |      |   |                     |                   |
|-----|------|------|------|---|----------------------|--------------------|-----|------|------|------|---|---------------------|-------------------|
| 101 | 67   | 11.4 | 148  | 7 | US-11-786-368-14     | Sequence 14, Appl  | 174 | 65   | 11.0 | 1437 | 7 | US-11-649-663A-2302 | Sequence 2302, Ap |
| 102 | 67   | 11.4 | 148  | 7 | US-11-786-369-14     | Sequence 14, Appl  | 175 | 65   | 11.0 | 1438 | 7 | US-11-649-663A-1176 | Sequence 1176, Ap |
| 103 | 67   | 11.4 | 984  | 7 | US-11-649-663A-2022  | Sequence 2022, Ap  | 176 | 65   | 11.0 | 1596 | 7 | US-11-649-663A-792  | Sequence 792, App |
| 104 | 67   | 11.4 | 1229 | 7 | US-11-633-858-133    | Sequence 133, App  | 177 | 65   | 11.0 | 1604 | 7 | US-11-649-663A-2686 | Sequence 2686, Ap |
| 105 | 67   | 11.4 | 1290 | 7 | US-11-649-663A-832   | Sequence 832, App  | 178 | 65   | 11.0 | 1801 | 7 | US-11-649-663A-2660 | Sequence 2660, Ap |
| 106 | 67   | 11.4 | 1379 | 7 | US-11-649-663A-646   | Sequence 646, App  | 179 | 65   | 11.0 | 1944 | 7 | US-11-649-663A-2442 | Sequence 2442, Ap |
| 107 | 67   | 11.4 | 1861 | 7 | US-11-649-663A-1744  | Sequence 1744, Ap  | 180 | 65   | 11.0 | 2508 | 7 | US-11-649-663A-1998 | Sequence 1998, Ap |
| 108 | 67   | 11.4 | 1873 | 7 | US-11-649-663A-846   | Sequence 846, App  | 181 | 65   | 11.0 | 2628 | 7 | US-11-649-663A-2692 | Sequence 2692, Ap |
| 109 | 67   | 11.4 | 2321 | 7 | US-11-633-858-216    | Sequence 216, App  | 182 | 65   | 11.0 | 4147 | 7 | US-11-726-028-3     | Sequence 3, Appl  |
| 110 | 66.5 | 11.3 | 959  | 7 | US-11-649-663A-5346  | Sequence 5346, App | 183 | 65   | 11.0 | 4655 | 7 | US-11-542-670-17    | Sequence 17, Appl |
| 111 | 66.5 | 11.3 | 1070 | 7 | US-11-649-663A-2300  | Sequence 2300, Ap  | 184 | 65   | 11.0 | 4659 | 7 | US-11-649-663A-1816 | Sequence 1816, Ap |
| 112 | 66.5 | 11.3 | 1232 | 7 | US-11-649-663A-2840  | Sequence 2840, Ap  | 185 | 64.5 | 11.0 | 141  | 7 | US-11-713-768-67485 | Sequence 67485, A |
| 113 | 66.5 | 11.3 | 1233 | 7 | US-11-649-663A-734   | Sequence 734, App  | 186 | 64.5 | 11.0 | 229  | 7 | US-11-713-768-67483 | Sequence 67483, A |
| 114 | 66.5 | 11.3 | 1289 | 7 | US-11-649-663A-434   | Sequence 434, App  | 187 | 64.5 | 11.0 | 264  | 6 | US-11-438-246-10848 | Sequence 10848, A |
| 115 | 66.5 | 11.3 | 1375 | 6 | US-10-529-351A-4026  | Sequence 4026, Ap  | 188 | 64.5 | 11.0 | 873  | 7 | US-11-649-663A-1646 | Sequence 1646, A  |
| 116 | 66.5 | 11.3 | 1737 | 7 | US-11-649-663A-2046  | Sequence 2046, Ap  | 189 | 64.5 | 11.0 | 914  | 6 | US-10-438-246-20254 | Sequence 20254, A |
| 117 | 66.5 | 11.3 | 1918 | 7 | US-11-649-663A-692   | Sequence 692, App  | 190 | 64.5 | 11.0 | 1042 | 7 | US-11-649-663A-356  | Sequence 356, App |
| 118 | 66   | 11.2 | 85   | 7 | US-11-214-372B-520   | Sequence 520, App  | 191 | 64.5 | 11.0 | 1060 | 7 | US-11-649-663A-2216 | Sequence 2216, Ap |
| 119 | 66   | 11.2 | 158  | 7 | US-11-689-173-10535  | Sequence 10535, A  | 192 | 64.5 | 11.0 | 1388 | 7 | US-11-649-663A-1842 | Sequence 1842, Ap |
| 120 | 66   | 11.2 | 158  | 7 | US-11-689-173-10537  | Sequence 10537, A  | 193 | 64.5 | 11.0 | 1391 | 7 | US-11-649-663A-566  | Sequence 566, App |
| 121 | 66   | 11.2 | 777  | 7 | US-11-218-035-3      | Sequence 3, Appl   | 194 | 64.5 | 11.0 | 1564 | 7 | US-11-649-663A-798  | Sequence 798, App |
| 122 | 66   | 11.2 | 1215 | 7 | US-11-649-663A-2800  | Sequence 2800, Ap  | 195 | 64.5 | 11.0 | 1617 | 7 | US-11-649-663A-2448 | Sequence 2448, Ap |
| 123 | 66   | 11.2 | 1220 | 7 | US-11-649-663A-1044  | Sequence 1044, Ap  | 196 | 64.5 | 11.0 | 1659 | 7 | US-11-649-663A-1436 | Sequence 1436, Ap |
| 124 | 66   | 11.2 | 1263 | 7 | US-11-649-663A-2848  | Sequence 2848, Ap  | 197 | 64.5 | 11.0 | 2000 | 6 | US-10-533-069-422   | Sequence 422, App |
| 125 | 66   | 11.2 | 1269 | 7 | US-11-649-663A-232   | Sequence 232, App  | 198 | 64.5 | 11.0 | 2137 | 7 | US-11-649-663A-798  | Sequence 798, App |
| 126 | 66   | 11.2 | 1296 | 7 | US-11-649-663A-750   | Sequence 750, App  | 199 | 64.5 | 11.0 | 2214 | 6 | US-11-649-663A-4852 | Sequence 4852, Ap |
| 127 | 66   | 11.2 | 1419 | 7 | US-11-649-663A-132   | Sequence 132, App  | 200 | 64.5 | 11.0 | 2214 | 6 | US-10-533-043-2     | Sequence 2, Appl  |
| 128 | 66   | 11.2 | 1489 | 7 | US-11-649-663A-2422  | Sequence 2422, Ap  | 201 | 64.5 | 11.0 | 2279 | 6 | US-10-533-069-990   | Sequence 990, App |
| 129 | 66   | 11.2 | 1490 | 7 | US-11-649-663A-2534  | Sequence 2534, Ap  | 202 | 64.5 | 11.0 | 2344 | 7 | US-11-649-663A-1496 | Sequence 1496, Ap |
| 130 | 66   | 11.2 | 1491 | 7 | US-11-649-663A-382   | Sequence 382, App  | 203 | 64   | 10.9 | 3331 | 7 | US-11-649-663A-1574 | Sequence 1574, Ap |
| 131 | 66   | 11.2 | 1492 | 7 | US-11-649-663A-2094  | Sequence 2094, Ap  | 204 | 64   | 10.9 | 412  | 7 | US-11-529-826-13    | Sequence 13, Appl |
| 132 | 66   | 11.2 | 1509 | 7 | US-11-649-663A-1838  | Sequence 1838, Ap  | 205 | 64   | 10.9 | 426  | 7 | US-11-713-768-24730 | Sequence 24730, A |
| 133 | 66   | 11.2 | 1510 | 7 | US-11-649-663A-838   | Sequence 838, App  | 206 | 64   | 10.9 | 475  | 6 | US-10-533-069-458   | Sequence 458, App |
| 134 | 66   | 11.2 | 1511 | 7 | US-11-649-663A-1120  | Sequence 1120, Ap  | 207 | 64   | 10.9 | 475  | 6 | US-10-529-351A-1183 | Sequence 1183, Ap |
| 135 | 66   | 11.2 | 1527 | 7 | US-11-649-663A-1326  | Sequence 1326, Ap  | 208 | 64   | 10.9 | 625  | 7 | US-11-649-663A-5446 | Sequence 5446, Ap |
| 136 | 66   | 11.2 | 1686 | 7 | US-11-649-663A-866   | Sequence 866, App  | 209 | 64   | 10.9 | 1143 | 6 | US-10-587-253-5     | Sequence 5, Appl  |
| 137 | 66   | 11.2 | 1713 | 7 | US-11-649-663A-2224  | Sequence 2224, Ap  | 210 | 64   | 10.9 | 1365 | 7 | US-11-649-663A-2290 | Sequence 2290, Ap |
| 138 | 65.5 | 11.1 | 166  | 7 | US-11-713-768-65783  | Sequence 65783, A  | 211 | 64   | 10.9 | 1375 | 7 | US-11-649-663A-622  | Sequence 622, App |
| 139 | 65.5 | 11.1 | 173  | 7 | US-11-689-173-10538  | Sequence 10538, A  | 212 | 64   | 10.9 | 1396 | 7 | US-11-649-663A-466  | Sequence 466, App |
| 140 | 65.5 | 11.1 | 179  | 7 | US-11-751-886-177    | Sequence 177, App  | 213 | 64   | 10.9 | 1486 | 7 | US-11-649-663A-2522 | Sequence 2522, Ap |
| 141 | 65.5 | 11.1 | 183  | 7 | US-11-713-768-65781  | Sequence 65781, A  | 214 | 64   | 10.9 | 1754 | 7 | US-11-649-663A-2600 | Sequence 2600, Ap |
| 142 | 65.5 | 11.1 | 189  | 7 | US-11-689-173-11209  | Sequence 11209, A  | 215 | 64   | 10.9 | 1758 | 7 | US-11-649-663A-2310 | Sequence 2310, Ap |
| 143 | 65.5 | 11.1 | 241  | 7 | US-11-689-173-11207  | Sequence 11207, A  | 216 | 64   | 10.9 | 1859 | 7 | US-11-649-663A-940  | Sequence 940, App |
| 144 | 65.5 | 11.1 | 241  | 7 | US-11-689-173-11208  | Sequence 11208, A  | 217 | 64   | 10.9 | 1865 | 7 | US-11-649-663A-1078 | Sequence 1078, Ap |
| 145 | 65.5 | 11.1 | 259  | 6 | US-10-529-351A-5585  | Sequence 5585, Ap  | 218 | 64   | 10.9 | 1914 | 7 | US-11-649-663A-20   | Sequence 20, Appl |
| 146 | 65.5 | 11.1 | 262  | 7 | US-11-689-173-6503   | Sequence 6503, Ap  | 219 | 64   | 10.9 | 2128 | 7 | US-11-649-663A-1384 | Sequence 1384, Ap |
| 147 | 65.5 | 11.1 | 262  | 7 | US-11-689-173-7990   | Sequence 7990, Ap  | 220 | 64   | 10.9 | 2568 | 7 | US-11-649-663A-90   | Sequence 90, Appl |
| 148 | 65.5 | 11.1 | 262  | 7 | US-11-689-173-9112   | Sequence 9112, Ap  | 221 | 64   | 10.9 | 2643 | 7 | US-11-649-663A-58   | Sequence 58, Appl |
| 149 | 65.5 | 11.1 | 269  | 7 | US-11-537-235-532    | Sequence 532, App  | 222 | 63.5 | 10.8 | 1011 | 7 | US-11-649-663A-1528 | Sequence 1528, Ap |
| 150 | 65.5 | 11.1 | 269  | 7 | US-11-553-810-532    | Sequence 532, App  | 223 | 63.5 | 10.8 | 1307 | 7 | US-11-649-663A-4164 | Sequence 4164, Ap |
| 151 | 65.5 | 11.1 | 303  | 7 | US-11-689-173-10536  | Sequence 10536, A  | 224 | 63.5 | 10.8 | 1611 | 7 | US-11-649-663A-2234 | Sequence 2234, Ap |
| 152 | 65.5 | 11.1 | 1271 | 7 | US-11-649-663A-2618  | Sequence 2618, Ap  | 225 | 63.5 | 10.8 | 1611 | 7 | US-11-649-663A-2552 | Sequence 2552, Ap |
| 153 | 65.5 | 11.1 | 1272 | 7 | US-11-649-663A-422   | Sequence 422, App  | 226 | 63.5 | 10.8 | 1641 | 7 | US-11-649-663A-1340 | Sequence 1340, Ap |
| 154 | 65.5 | 11.1 | 1274 | 7 | US-11-649-663A-1848  | Sequence 1848, Ap  | 227 | 63.5 | 10.8 | 1685 | 7 | US-11-649-663A-598  | Sequence 598, App |
| 155 | 65.5 | 11.1 | 154  | 7 | US-11-649-663A-2132  | Sequence 2132, Ap  | 228 | 63.5 | 10.8 | 1691 | 7 | US-11-649-663A-762  | Sequence 762, App |
| 156 | 65.5 | 11.1 | 1660 | 7 | US-11-649-663A-1792  | Sequence 1792, Ap  | 229 | 63.5 | 10.8 | 1708 | 7 | US-11-649-663A-2086 | Sequence 2086, Ap |
| 157 | 65.5 | 11.1 | 1661 | 7 | US-11-649-663A-1296  | Sequence 1296, Ap  | 230 | 63.5 | 10.8 | 1744 | 7 | US-11-649-663A-2750 | Sequence 2750, Ap |
| 158 | 65.5 | 11.1 | 1942 | 7 | US-11-649-663A-1296  | Sequence 1296, Ap  | 231 | 63.5 | 10.8 | 1779 | 7 | US-11-649-663A-1438 | Sequence 1438, Ap |
| 159 | 65.5 | 11.1 | 2556 | 7 | US-11-633-858-235    | Sequence 235, App  | 232 | 63.5 | 10.8 | 1830 | 7 | US-11-649-663A-1478 | Sequence 1478, Ap |
| 160 | 65   | 11.0 | 95   | 6 | US-10-767-701-42785  | Sequence 42785, A  | 233 | 63.5 | 10.8 | 1832 | 7 | US-11-649-663A-2350 | Sequence 2350, Ap |
| 161 | 65   | 11.0 | 197  | 6 | US-10-767-701-51471  | Sequence 51471, A  | 234 | 63.5 | 10.8 | 1845 | 7 | US-11-649-663A-1980 | Sequence 1980, Ap |
| 162 | 65   | 11.0 | 383  | 6 | US-10-529-351A-4089  | Sequence 4089, Ap  | 235 | 63.5 | 10.8 | 1870 | 7 | US-11-649-663A-4998 | Sequence 4998, Ap |
| 163 | 65   | 11.0 | 504  | 7 | US-11-360-355-120732 | Sequence 120732, A | 236 | 63.5 | 10.8 | 2247 | 7 | US-11-649-663A-5510 | Sequence 5510, Ap |
| 164 | 65   | 11.0 | 575  | 7 | US-11-689-173-6159   | Sequence 6159, Ap  | 237 | 63.5 | 10.8 | 2499 | 7 | US-11-649-663A-138  | Sequence 138, App |
| 165 | 65   | 11.0 | 575  | 7 | US-11-689-173-9411   | Sequence 9411, Ap  | 238 | 63   | 10.7 | 3707 | 7 | US-11-625-272-139   | Sequence 139, App |
| 166 | 65   | 11.0 | 1135 | 7 | US-11-649-663A-2204  | Sequence 2204, Ap  | 239 | 63   | 10.7 | 298  | 7 | US-11-713-768-6149  | Sequence 6149, Ap |
| 167 | 65   | 11.0 | 1209 | 7 | US-11-649-663A-1610  | Sequence 1610, Ap  | 240 | 63   | 10.7 | 386  | 7 | US-11-713-768-6148  | Sequence 6148, Ap |
| 168 | 65   | 11.0 | 1218 | 6 | US-10-594-211-169    | Sequence 169, App  | 241 | 63   | 10.7 | 562  | 7 | US-11-649-663A-3662 | Sequence 3662, Ap |
| 169 | 65   | 11.0 | 1218 | 6 | US-10-594-211-245    | Sequence 245, App  | 242 | 63   | 10.7 | 738  | 7 | US-11-649-663A-816  | Sequence 816, App |
| 170 | 65   | 11.0 | 1218 | 6 | US-10-594-211-252    | Sequence 252, App  | 243 | 63   | 10.7 | 1103 | 7 | US-11-649-663A-2450 |                   |

|     |      |      |      |   |                     |                    |     |      |      |      |   |                       |                      |
|-----|------|------|------|---|---------------------|--------------------|-----|------|------|------|---|-----------------------|----------------------|
| 247 | 63   | 10.7 | 1753 | 7 | US-11-649-663A-1198 | Sequence 1198, Ap  | 320 | 62   | 10.5 | 3409 | 7 | US-11-257-477-165     | Sequence 165, App    |
| 248 | 63   | 10.7 | 1864 | 7 | US-11-649-663A-4158 | Sequence 4158, Ap  | 322 | 61.5 | 10.4 | 159  | 7 | US-11-689-173-7143    | Sequence 7143, Ap    |
| 249 | 63   | 10.7 | 2105 | 7 | US-11-649-663A-1154 | Sequence 1154, Ap  | 323 | 61.5 | 10.4 | 159  | 7 | US-11-689-173-10034   | Sequence 10034, A    |
| 250 | 63   | 10.7 | 2117 | 7 | US-11-649-663A-2836 | Sequence 2836, Ap  | 324 | 61.5 | 10.4 | 179  | 7 | US-11-689-173-9587    | Sequence 9587, Ap    |
| 251 | 63   | 10.7 | 2195 | 7 | US-11-649-663A-5412 | Sequence 5412, Ap  | 325 | 61.5 | 10.4 | 231  | 7 | US-11-360-355-151313  | Sequence 151313, Ap  |
| 252 | 63   | 10.7 | 4243 | 7 | US-11-649-663A-1722 | Sequence 1722, Ap  | 326 | 61.5 | 10.4 | 256  | 7 | US-11-360-355-1513083 | Sequence 1513083, Ap |
| 253 | 62.5 | 10.6 | 179  | 7 | US-11-713-768-61518 | Sequence 61518, A  | 327 | 61.5 | 10.4 | 277  | 6 | US-10-533-069-1076    | Sequence 1076, Ap    |
| 254 | 62.5 | 10.6 | 211  | 7 | US-11-713-768-61517 | Sequence 61517, A  | 328 | 61.5 | 10.4 | 282  | 6 | US-10-533-069-1230    | Sequence 1230, Ap    |
| 255 | 62.5 | 10.6 | 213  | 7 | US-11-649-663A-2784 | Sequence 2784, Ap  | 329 | 61.5 | 10.4 | 282  | 6 | US-10-529-351A-5217   | Sequence 5217, Ap    |
| 256 | 62.5 | 10.6 | 466  | 7 | US-11-649-663A-1342 | Sequence 1342, Ap  | 330 | 61.5 | 10.4 | 282  | 6 | US-11-537-235-312     | Sequence 312, App    |
| 257 | 62.5 | 10.6 | 703  | 6 | US-10-663-431-147   | Sequence 147, Appl | 331 | 61.5 | 10.4 | 282  | 7 | US-11-553-810-312     | Sequence 312, App    |
| 258 | 62.5 | 10.6 | 705  | 6 | US-10-589-677-55    | Sequence 55, Appl  | 332 | 61.5 | 10.4 | 303  | 7 | US-11-360-355-150454  | Sequence 150454, Ap  |
| 259 | 62.5 | 10.6 | 1003 | 7 | US-11-649-663A-2592 | Sequence 2592, Ap  | 333 | 61.5 | 10.4 | 527  | 7 | US-11-360-355-152732  | Sequence 152732, Ap  |
| 260 | 62.5 | 10.6 | 1049 | 7 | US-11-649-663A-624  | Sequence 624, App  | 334 | 61.5 | 10.4 | 710  | 7 | US-11-649-663A-4112   | Sequence 4112, Ap    |
| 261 | 62.5 | 10.6 | 1164 | 7 | US-11-649-663A-2218 | Sequence 2218, Ap  | 335 | 61.5 | 10.4 | 869  | 7 | US-11-673-351-1200    | Sequence 1200, Ap    |
| 262 | 62.5 | 10.6 | 1189 | 7 | US-11-649-663A-1964 | Sequence 1964, Ap  | 336 | 61.5 | 10.4 | 1050 | 7 | US-11-649-663A-2762   | Sequence 2762, Ap    |
| 263 | 62.5 | 10.6 | 1285 | 7 | US-11-649-663A-1124 | Sequence 1124, Ap  | 337 | 61.5 | 10.4 | 1151 | 7 | US-11-649-663A-556    | Sequence 556, App    |
| 264 | 62.5 | 10.6 | 1298 | 7 | US-11-649-663A-826  | Sequence 826, App  | 338 | 61.5 | 10.4 | 1233 | 7 | US-11-649-663A-784    | Sequence 784, App    |
| 265 | 62.5 | 10.6 | 1432 | 7 | US-11-649-663A-2846 | Sequence 2846, Ap  | 339 | 61.5 | 10.4 | 1249 | 7 | US-11-649-663A-2566   | Sequence 2566, Ap    |
| 266 | 62.5 | 10.6 | 1459 | 7 | US-11-649-663A-1332 | Sequence 1332, Ap  | 340 | 61.5 | 10.4 | 1251 | 7 | US-11-649-663A-346    | Sequence 346, App    |
| 267 | 62.5 | 10.6 | 1493 | 7 | US-11-649-663A-4196 | Sequence 4196, Ap  | 341 | 61.5 | 10.4 | 1277 | 7 | US-11-649-663A-634    | Sequence 634, App    |
| 268 | 62.5 | 10.6 | 1573 | 7 | US-11-649-663A-770  | Sequence 770, App  | 342 | 61.5 | 10.4 | 1278 | 7 | US-11-649-663A-1626   | Sequence 1626, Ap    |
| 269 | 62.5 | 10.6 | 1576 | 7 | US-11-649-663A-594  | Sequence 594, App  | 343 | 61.5 | 10.4 | 1303 | 7 | US-11-649-663A-1570   | Sequence 1570, Ap    |
| 270 | 62.5 | 10.6 | 1600 | 7 | US-11-649-663A-2664 | Sequence 2664, Ap  | 344 | 61.5 | 10.4 | 1357 | 7 | US-11-649-663A-1946   | Sequence 1946, Ap    |
| 271 | 62.5 | 10.6 | 1680 | 7 | US-11-649-663A-712  | Sequence 712, App  | 345 | 61.5 | 10.4 | 1358 | 7 | US-11-649-663A-2238   | Sequence 2238, Ap    |
| 272 | 62.5 | 10.6 | 1736 | 7 | US-11-649-663A-2668 | Sequence 2668, Ap  | 346 | 61.5 | 10.4 | 1676 | 7 | US-11-649-663A-628    | Sequence 628, App    |
| 273 | 62.5 | 10.6 | 1962 | 7 | US-11-649-663A-1446 | Sequence 1446, Ap  | 347 | 61.5 | 10.4 | 1681 | 7 | US-11-649-663A-416    | Sequence 416, App    |
| 274 | 62.5 | 10.6 | 2052 | 7 | US-11-649-663A-652  | Sequence 652, App  | 348 | 61.5 | 10.4 | 1689 | 7 | US-11-649-663A-2456   | Sequence 2456, Ap    |
| 275 | 62.5 | 10.6 | 2368 | 7 | US-11-649-663A-2844 | Sequence 2844, Ap  | 349 | 61.5 | 10.4 | 1702 | 7 | US-11-649-663A-2114   | Sequence 2114, Ap    |
| 276 | 62.5 | 10.6 | 2391 | 7 | US-11-649-663A-1386 | Sequence 1386, Ap  | 350 | 61.5 | 10.4 | 1735 | 7 | US-11-649-663A-664    | Sequence 664, App    |
| 277 | 62.5 | 10.6 | 2973 | 7 | US-11-649-663A-1754 | Sequence 1754, Ap  | 351 | 61.5 | 10.4 | 1741 | 7 | US-11-649-663A-726    | Sequence 726, App    |
| 278 | 62.5 | 10.6 | 3018 | 7 | US-11-649-663A-1996 | Sequence 1996, Ap  | 352 | 61.5 | 10.4 | 1776 | 7 | US-11-649-663A-2554   | Sequence 2554, Ap    |
| 279 | 62   | 10.5 | 48   | 7 | US-11-528-927-307   | Sequence 307, App  | 353 | 61.5 | 10.4 | 1809 | 7 | US-11-649-663A-1302   | Sequence 1302, Ap    |
| 280 | 62   | 10.5 | 48   | 7 | US-11-528-950-307   | Sequence 307, App  | 354 | 61.5 | 10.4 | 1814 | 7 | US-11-649-663A-930    | Sequence 930, App    |
| 281 | 62   | 10.5 | 685  | 7 | US-11-709-841-50    | Sequence 50, Appl  | 355 | 61.5 | 10.4 | 1844 | 7 | US-11-649-663A-1668   | Sequence 1668, Ap    |
| 282 | 62   | 10.5 | 707  | 7 | US-11-709-841-58    | Sequence 58, Appl  | 356 | 61.5 | 10.4 | 1913 | 6 | US-10-529-351A-5      | Sequence 5, Appl1    |
| 283 | 62   | 10.5 | 804  | 7 | US-11-709-841-49    | Sequence 49, Appl  | 357 | 61.5 | 10.4 | 2012 | 7 | US-11-649-663A-528    | Sequence 528, App    |
| 284 | 62   | 10.5 | 984  | 7 | US-11-649-663A-1592 | Sequence 1592, Ap  | 358 | 61.5 | 10.4 | 2143 | 7 | US-11-649-663A-1284   | Sequence 1284, Ap    |
| 285 | 62   | 10.5 | 1017 | 7 | US-11-649-663A-956  | Sequence 956, App  | 359 | 61.5 | 10.4 | 2157 | 7 | US-11-550-102-2       | Sequence 2, Appl1    |
| 286 | 62   | 10.5 | 1152 | 7 | US-11-649-663A-2712 | Sequence 2712, Ap  | 360 | 61.5 | 10.4 | 2337 | 7 | US-11-649-663A-1868   | Sequence 1868, Ap    |
| 287 | 62   | 10.5 | 1170 | 7 | US-11-709-841-44    | Sequence 44, Appl  | 361 | 61.5 | 10.4 | 2440 | 7 | US-11-649-663A-1294   | Sequence 1294, Ap    |
| 288 | 62   | 10.5 | 1170 | 7 | US-11-709-841-45    | Sequence 45, Appl  | 362 | 61.5 | 10.4 | 2514 | 7 | US-11-649-663A-2064   | Sequence 2064, Ap    |
| 289 | 62   | 10.5 | 1170 | 7 | US-11-709-841-47    | Sequence 47, Appl  | 363 | 61.5 | 10.4 | 2570 | 6 | US-10-529-351A-1164   | Sequence 1164, Ap    |
| 290 | 62   | 10.5 | 1170 | 7 | US-11-741-492-138   | Sequence 138, App  | 364 | 61.5 | 10.4 | 2670 | 7 | US-11-649-663A-1786   | Sequence 1786, Ap    |
| 291 | 62   | 10.5 | 1191 | 7 | US-11-709-841-54    | Sequence 54, Appl  | 365 | 61.5 | 10.4 | 3259 | 7 | US-11-649-663A-1020   | Sequence 1020, Ap    |
| 292 | 62   | 10.5 | 1192 | 7 | US-11-649-663A-2814 | Sequence 2814, Ap  | 366 | 61.5 | 10.4 | 3259 | 7 | US-11-649-663A-2622   | Sequence 2622, Ap    |
| 293 | 62   | 10.5 | 1194 | 7 | US-11-649-663A-5030 | Sequence 5030, Ap  | 367 | 61.5 | 10.4 | 3658 | 7 | US-11-649-663A-1668   | Sequence 1668, Ap    |
| 294 | 62   | 10.5 | 1228 | 7 | US-11-649-663A-980  | Sequence 980, App  | 368 | 61   | 10.4 | 79   | 7 | US-11-537-472-8       | Sequence 8, Appl1    |
| 295 | 62   | 10.5 | 1315 | 7 | US-11-649-663A-610  | Sequence 610, App  | 369 | 61   | 10.4 | 248  | 7 | US-11-360-355-167671  | Sequence 167671, Ap  |
| 296 | 62   | 10.5 | 1337 | 7 | US-11-649-663A-2460 | Sequence 2460, Ap  | 370 | 61   | 10.4 | 401  | 7 | US-11-360-355-131018  | Sequence 131018, Ap  |
| 297 | 62   | 10.5 | 1347 | 7 | US-11-649-663A-1066 | Sequence 1066, Ap  | 371 | 61   | 10.4 | 585  | 7 | US-11-649-663A-1978   | Sequence 1978, Ap    |
| 298 | 62   | 10.5 | 1376 | 7 | US-11-649-663A-378  | Sequence 378, App  | 372 | 61   | 10.4 | 715  | 6 | US-10-529-351A-5533   | Sequence 5533, Ap    |
| 299 | 62   | 10.5 | 1379 | 7 | US-11-649-663A-1738 | Sequence 1738, Ap  | 373 | 61   | 10.4 | 780  | 7 | US-11-649-663A-1866   | Sequence 1866, Ap    |
| 300 | 62   | 10.5 | 1462 | 7 | US-11-649-663A-1174 | Sequence 1174, Ap  | 374 | 61   | 10.4 | 787  | 7 | US-11-633-858-172     | Sequence 172, App    |
| 301 | 62   | 10.5 | 1476 | 7 | US-11-649-663A-972  | Sequence 972, App  | 375 | 61   | 10.4 | 787  | 7 | US-11-741-492-98      | Sequence 98, Appl    |
| 302 | 62   | 10.5 | 1482 | 7 | US-11-649-663A-1804 | Sequence 1804, Ap  | 376 | 61   | 10.4 | 795  | 7 | US-11-649-663A-1856   | Sequence 1856, Ap    |
| 303 | 62   | 10.5 | 1486 | 7 | US-11-649-663A-2236 | Sequence 2236, Ap  | 377 | 61   | 10.4 | 923  | 7 | US-11-649-663A-4314   | Sequence 4314, Ap    |
| 304 | 62   | 10.5 | 1495 | 7 | US-11-649-663A-776  | Sequence 776, App  | 378 | 61   | 10.4 | 936  | 7 | US-11-649-663A-4702   | Sequence 4702, Ap    |
| 305 | 62   | 10.5 | 1506 | 7 | US-11-649-663A-1870 | Sequence 1870, Ap  | 379 | 61   | 10.4 | 972  | 7 | US-11-649-663A-1318   | Sequence 1318, Ap    |
| 306 | 62   | 10.5 | 1542 | 7 | US-11-649-663A-2324 | Sequence 2324, Ap  | 380 | 61   | 10.4 | 978  | 7 | US-11-649-663A-120    | Sequence 120, App    |
| 307 | 62   | 10.5 | 1547 | 7 | US-11-649-663A-50   | Sequence 50, Appl  | 381 | 61   | 10.4 | 987  | 7 | US-11-649-663A-236    | Sequence 236, App    |
| 308 | 62   | 10.5 | 1638 | 7 | US-11-649-663A-660  | Sequence 660, App  | 382 | 61   | 10.4 | 1047 | 7 | US-11-649-663A-1534   | Sequence 1534, Ap    |
| 309 | 62   | 10.5 | 1676 | 7 | US-11-649-663A-546  | Sequence 546, App  | 383 | 61   | 10.4 | 1050 | 7 | US-11-649-663A-720    | Sequence 720, App    |
| 310 | 62   | 10.5 | 1709 | 7 | US-11-649-663A-3210 | Sequence 3210, Ap  | 384 | 61   | 10.4 | 1052 | 7 | US-11-649-663A-1750   | Sequence 1750, Ap    |
| 311 | 62   | 10.5 | 1745 | 7 | US-11-649-663A-960  | Sequence 960, App  | 385 | 61   | 10.4 | 1055 | 7 | US-11-649-663A-3194   | Sequence 3194, Ap    |
| 312 | 62   | 10.5 | 1802 | 7 | US-11-649-663A-1932 | Sequence 1932, Ap  | 386 | 61   | 10.4 | 1117 | 7 | US-11-649-663A-1458   | Sequence 1458, Ap    |
| 313 | 62   | 10.5 | 1919 | 7 | US-11-649-663A-2170 | Sequence 2170, Ap  | 387 | 61   | 10.4 | 1144 | 7 | US-11-649-663A-506    | Sequence 506, App    |
| 314 | 62   | 10.5 | 1942 | 7 | US-11-649-663A-2732 | Sequence 2732, Ap  | 388 | 61   | 10.4 | 1170 | 6 | US-10-533-069-1255    | Sequence 155, App    |
| 315 | 62   | 10.5 | 1959 | 7 | US-11-649-663A-1428 | Sequence 1428, Ap  | 389 | 61   | 10.4 | 1212 | 7 | US-11-649-663A-1696   | Sequence 1696, Ap    |
| 316 | 62   | 10.5 | 1962 | 7 | US-11-649-663A-1748 | Sequence 1748, Ap  | 390 | 61   | 10.4 | 1245 | 7 | US-11-649-663A-1904   | Sequence 1904, Ap    |
| 317 | 62   | 10.5 | 1962 | 7 | US-11-649-663A-2754 | Sequence 2754, Ap  | 391 | 61   | 10.4 | 1261 | 7 | US-11-649-663A-668    | Sequence 668, App    |
| 318 | 62   | 10.5 | 2003 | 7 | US-11-649-663A-5496 | Sequence 5496, Ap  | 392 | 61   | 10.4 | 1270 | 7 | US-11-649-663A-1252   | Sequence 1252, Ap    |
| 319 | 62   | 10.5 | 2762 | 7 | US-11-649-663A-2672 | Sequence 2672, Ap  | 393 | 61   | 10.4 | 1270 | 7 | US-11-649-663A-2730   | Sequence 2730, Ap    |

|     |      |      |      |   |                      |                      |     |      |      |      |   |                       |                      |
|-----|------|------|------|---|----------------------|----------------------|-----|------|------|------|---|-----------------------|----------------------|
| 394 | 61   | 10.4 | 1287 | 7 | US-11-649-663A-444   | Sequence 444, App    | 468 | 60.5 | 10.3 | 2030 | 7 | US-11-649-663A-3682   | Sequence 3682, App   |
| 395 | 61   | 10.4 | 1367 | 7 | US-11-649-663A-510   | Sequence 510, App    | 469 | 60.5 | 10.3 | 2077 | 7 | US-11-649-663A-2340   | Sequence 2340, App   |
| 396 | 61   | 10.4 | 1432 | 7 | US-11-649-663A-1100  | Sequence 1100, App   | 470 | 60.5 | 10.3 | 2079 | 7 | US-11-649-663A-2126   | Sequence 2126, App   |
| 397 | 61   | 10.4 | 1434 | 7 | US-11-649-663A-1194  | Sequence 1194, App   | 471 | 60.5 | 10.3 | 2079 | 7 | US-11-649-663A-2408   | Sequence 2408, App   |
| 398 | 61   | 10.4 | 1459 | 7 | US-11-649-663A-1350  | Sequence 1350, App   | 472 | 60.5 | 10.3 | 2079 | 7 | US-11-649-663A-1642   | Sequence 1642, App   |
| 399 | 61   | 10.4 | 1524 | 7 | US-11-649-663A-2656  | Sequence 2656, App   | 473 | 60.5 | 10.3 | 2079 | 7 | US-11-649-663A-2802   | Sequence 2802, App   |
| 400 | 61   | 10.4 | 1591 | 7 | US-11-649-663A-1596  | Sequence 1596, App   | 474 | 60   | 10.2 | 65   | 7 | US-11-649-663A-126465 | Sequence 126465, App |
| 401 | 61   | 10.4 | 1620 | 7 | US-11-649-663A-1132  | Sequence 1132, App   | 475 | 60   | 10.2 | 659  | 7 | US-11-649-663A-614    | Sequence 614, App    |
| 402 | 61   | 10.4 | 1630 | 7 | US-11-649-663A-2222  | Sequence 2222, App   | 476 | 60   | 10.2 | 850  | 7 | US-11-649-663A-534    | Sequence 534, App    |
| 403 | 61   | 10.4 | 1648 | 7 | US-11-649-663A-670   | Sequence 670, App    | 477 | 60   | 10.2 | 850  | 7 | US-11-649-663A-1470   | Sequence 1470, App   |
| 404 | 61   | 10.4 | 1660 | 7 | US-11-649-663A-2926  | Sequence 2926, App   | 478 | 60   | 10.2 | 1033 | 7 | US-11-649-663A-596    | Sequence 596, App    |
| 405 | 61   | 10.4 | 1750 | 7 | US-11-649-663A-570   | Sequence 570, App    | 479 | 60   | 10.2 | 1077 | 7 | US-11-649-663A-1630   | Sequence 1630, App   |
| 406 | 61   | 10.4 | 1751 | 7 | US-11-649-663A-2426  | Sequence 2426, App   | 480 | 60   | 10.2 | 1192 | 7 | US-11-649-663A-394    | Sequence 394, App    |
| 407 | 61   | 10.4 | 1856 | 7 | US-11-649-663A-332   | Sequence 332, App    | 481 | 60   | 10.2 | 1192 | 7 | US-11-649-663A-1832   | Sequence 1832, App   |
| 408 | 61   | 10.4 | 1865 | 7 | US-11-649-663A-2174  | Sequence 2174, App   | 482 | 60   | 10.2 | 1257 | 7 | US-11-649-663A-24     | Sequence 24, Appl    |
| 409 | 61   | 10.4 | 1915 | 7 | US-11-649-663A-1702  | Sequence 1702, App   | 483 | 60   | 10.2 | 1263 | 7 | US-11-649-663A-1290   | Sequence 1290, App   |
| 410 | 61   | 10.4 | 1957 | 7 | US-11-649-663A-2192  | Sequence 2192, App   | 484 | 60   | 10.2 | 1298 | 7 | US-11-649-663A-2774   | Sequence 2774, App   |
| 411 | 61   | 10.4 | 2016 | 7 | US-11-649-663A-2188  | Sequence 2188, App   | 485 | 60   | 10.2 | 1326 | 7 | US-11-649-663A-1514   | Sequence 1514, App   |
| 412 | 61   | 10.4 | 2072 | 7 | US-11-649-663A-1184  | Sequence 1184, App   | 486 | 60   | 10.2 | 1329 | 7 | US-11-649-663A-914    | Sequence 914, App    |
| 413 | 61   | 10.4 | 2124 | 7 | US-11-649-663A-2768  | Sequence 2768, App   | 487 | 60   | 10.2 | 1363 | 7 | US-11-649-663A-358    | Sequence 358, App    |
| 414 | 61   | 10.4 | 2682 | 7 | US-11-649-663A-88    | Sequence 88, Appl    | 488 | 60   | 10.2 | 1363 | 7 | US-11-649-663A-2430   | Sequence 2430, App   |
| 415 | 61   | 10.4 | 2773 | 7 | US-11-649-663A-1466  | Sequence 1466, App   | 489 | 60   | 10.2 | 1396 | 7 | US-11-649-663A-1102   | Sequence 1102, App   |
| 416 | 61   | 10.4 | 2791 | 7 | US-11-649-663A-2826  | Sequence 2826, App   | 490 | 60   | 10.2 | 1404 | 7 | US-11-649-663A-1240   | Sequence 1240, App   |
| 417 | 61   | 10.4 | 3060 | 7 | US-11-649-663A-1532  | Sequence 1532, App   | 491 | 60   | 10.2 | 1413 | 7 | US-11-649-663A-654    | Sequence 654, App    |
| 418 | 60.5 | 10.3 | 112  | 6 | US-10-767-701-40551  | Sequence 40551, A    | 492 | 60   | 10.2 | 1422 | 7 | US-11-649-663A-690    | Sequence 690, App    |
| 419 | 60.5 | 10.3 | 115  | 7 | US-11-649-663A-5376  | Sequence 5376, App   | 493 | 60   | 10.2 | 1451 | 7 | US-11-649-663A-4154   | Sequence 4154, App   |
| 420 | 60.5 | 10.3 | 289  | 7 | US-11-713-768-43817  | Sequence 43817, A    | 494 | 60   | 10.2 | 1481 | 7 | US-11-649-663A-424    | Sequence 424, App    |
| 421 | 60.5 | 10.3 | 289  | 7 | US-11-713-768-45249  | Sequence 45249, A    | 495 | 60   | 10.2 | 1484 | 7 | US-11-649-663A-1380   | Sequence 1380, App   |
| 422 | 60.5 | 10.3 | 289  | 7 | US-11-713-768-48211  | Sequence 48211, A    | 496 | 60   | 10.2 | 1502 | 7 | US-11-649-663A-4074   | Sequence 4074, App   |
| 423 | 60.5 | 10.3 | 349  | 6 | US-10-594-211-180    | Sequence 180, App    | 497 | 60   | 10.2 | 1516 | 7 | US-11-649-663A-2648   | Sequence 2648, App   |
| 424 | 60.5 | 10.3 | 349  | 7 | US-11-676-830-4      | Sequence 4, Appl     | 499 | 60   | 10.2 | 1575 | 7 | US-11-649-663A-396    | Sequence 396, App    |
| 425 | 60.5 | 10.3 | 395  | 7 | US-11-360-355-120911 | Sequence 120911, App | 500 | 60   | 10.2 | 1575 | 7 | US-11-649-663A-3630   | Sequence 3630, App   |
| 426 | 60.5 | 10.3 | 438  | 7 | US-11-649-663A-1434  | Sequence 1434, App   | 501 | 60   | 10.2 | 1655 | 7 | US-11-649-663A-3004   | Sequence 3004, App   |
| 427 | 60.5 | 10.3 | 464  | 7 | US-11-689-173-8731   | Sequence 8731, App   | 502 | 60   | 10.2 | 1656 | 7 | US-11-649-663A-1196   | Sequence 1196, App   |
| 428 | 60.5 | 10.3 | 723  | 6 | US-10-533-069-2074   | Sequence 2074, App   | 503 | 60   | 10.2 | 1689 | 7 | US-11-649-663A-908    | Sequence 908, App    |
| 429 | 60.5 | 10.3 | 723  | 7 | US-11-537-235-346    | Sequence 346, App    | 504 | 60   | 10.2 | 1723 | 7 | US-11-649-663A-2034   | Sequence 2034, App   |
| 430 | 60.5 | 10.3 | 723  | 7 | US-11-625-272-100    | Sequence 346, App    | 505 | 60   | 10.2 | 1764 | 7 | US-11-649-663A-1220   | Sequence 1220, App   |
| 431 | 60.5 | 10.3 | 723  | 7 | US-11-553-810-346    | Sequence 1484, App   | 506 | 60   | 10.2 | 1768 | 7 | US-11-649-663A-1652   | Sequence 1652, App   |
| 432 | 60.5 | 10.3 | 849  | 7 | US-11-649-663A-1686  | Sequence 1686, App   | 507 | 60   | 10.2 | 1782 | 7 | US-11-649-663A-2856   | Sequence 2856, App   |
| 433 | 60.5 | 10.3 | 849  | 7 | US-11-649-663A-1484  | Sequence 1484, App   | 508 | 60   | 10.2 | 1825 | 7 | US-11-649-663A-882    | Sequence 882, App    |
| 434 | 60.5 | 10.3 | 891  | 7 | US-11-649-663A-330   | Sequence 330, App    | 509 | 60   | 10.2 | 1825 | 7 | US-11-649-663A-978    | Sequence 978, App    |
| 435 | 60.5 | 10.3 | 1015 | 7 | US-11-649-663A-1834  | Sequence 1834, App   | 510 | 60   | 10.2 | 2045 | 7 | US-11-536-461-122     | Sequence 122, App    |
| 436 | 60.5 | 10.3 | 1026 | 7 | US-11-649-663A-2500  | Sequence 2500, App   | 511 | 60   | 10.2 | 2196 | 7 | US-11-691-000-122     | Sequence 122, App    |
| 437 | 60.5 | 10.3 | 1042 | 7 | US-11-649-663A-1228  | Sequence 1228, App   | 512 | 60   | 10.2 | 2196 | 7 | US-11-649-663A-1618   | Sequence 1618, App   |
| 438 | 60.5 | 10.3 | 1069 | 7 | US-11-649-663A-1016  | Sequence 1016, App   | 513 | 60   | 10.2 | 2433 | 7 | US-11-649-663A-1990   | Sequence 1990, App   |
| 439 | 60.5 | 10.3 | 1168 | 7 | US-11-649-663A-2532  | Sequence 2532, App   | 514 | 60   | 10.2 | 2574 | 7 | US-11-649-663A-1414   | Sequence 1414, App   |
| 440 | 60.5 | 10.3 | 1169 | 7 | US-11-649-663A-2532  | Sequence 2532, App   | 515 | 60   | 10.2 | 2633 | 6 | US-10-529-351A-1133   | Sequence 1133, App   |
| 441 | 60.5 | 10.3 | 1170 | 7 | US-11-649-663A-1300  | Sequence 1300, App   | 516 | 60   | 10.2 | 3312 | 6 | US-11-649-663A-1520   | Sequence 1520, App   |
| 442 | 60.5 | 10.3 | 1199 | 7 | US-11-649-663A-2390  | Sequence 2390, App   | 517 | 60   | 10.2 | 5109 | 7 | US-11-360-355-132135  | Sequence 132135, App |
| 443 | 60.5 | 10.3 | 1245 | 7 | US-11-649-663A-1602  | Sequence 1602, App   | 518 | 60   | 10.1 | 176  | 7 | US-11-360-355-132135  | Sequence 8755, App   |
| 444 | 60.5 | 10.3 | 1299 | 7 | US-11-649-663A-1524  | Sequence 1524, App   | 519 | 59.5 | 10.1 | 197  | 6 | US-10-438-246-8755    | Sequence 8760, App   |
| 445 | 60.5 | 10.3 | 1313 | 7 | US-11-649-663A-2312  | Sequence 2312, App   | 520 | 59.5 | 10.1 | 412  | 6 | US-10-438-246-8755    | Sequence 126876, App |
| 446 | 60.5 | 10.3 | 1378 | 7 | US-11-649-663A-494   | Sequence 494, App    | 521 | 59.5 | 10.1 | 428  | 7 | US-11-360-355-126876  | Sequence 3800, App   |
| 447 | 60.5 | 10.3 | 1424 | 7 | US-11-649-663A-504   | Sequence 504, App    | 522 | 59.5 | 10.1 | 475  | 7 | US-11-649-663A-3272   | Sequence 3272, App   |
| 448 | 60.5 | 10.3 | 1433 | 7 | US-11-649-663A-2906  | Sequence 2906, App   | 523 | 59.5 | 10.1 | 521  | 7 | US-11-360-355-152972  | Sequence 152972, App |
| 449 | 60.5 | 10.3 | 1506 | 7 | US-11-649-663A-1992  | Sequence 1992, App   | 524 | 59.5 | 10.1 | 612  | 7 | US-11-649-663A-230    | Sequence 230, App    |
| 450 | 60.5 | 10.3 | 1507 | 7 | US-11-649-663A-608   | Sequence 608, App    | 525 | 59.5 | 10.1 | 612  | 7 | US-11-649-663A-230    | Sequence 5486, App   |
| 451 | 60.5 | 10.3 | 1549 | 7 | US-11-649-663A-1824  | Sequence 1824, App   | 526 | 59.5 | 10.1 | 802  | 7 | US-11-649-663A-5486   | Sequence 2580, App   |
| 452 | 60.5 | 10.3 | 1565 | 7 | US-11-649-663A-2116  | Sequence 2116, App   | 527 | 59.5 | 10.1 | 802  | 7 | US-11-649-663A-2580   | Sequence 1072, App   |
| 453 | 60.5 | 10.3 | 1567 | 7 | US-11-649-663A-2074  | Sequence 2074, App   | 528 | 59.5 | 10.1 | 839  | 7 | US-11-649-663A-1072   | Sequence 144, App    |
| 454 | 60.5 | 10.3 | 1571 | 7 | US-11-649-663A-2074  | Sequence 2074, App   | 529 | 59.5 | 10.1 | 873  | 7 | US-11-649-663A-144    | Sequence 2356, App   |
| 455 | 60.5 | 10.3 | 1592 | 7 | US-11-649-663A-5088  | Sequence 5088, App   | 530 | 59.5 | 10.1 | 876  | 7 | US-11-649-663A-2356   | Sequence 724, App    |
| 456 | 60.5 | 10.3 | 1655 | 7 | US-11-649-663A-962   | Sequence 962, App    | 531 | 59.5 | 10.1 | 1038 | 7 | US-11-649-663A-724    | Sequence 3060, App   |
| 457 | 60.5 | 10.3 | 1761 | 7 | US-11-649-663A-1526  | Sequence 1526, App   | 532 | 59.5 | 10.1 | 1050 | 7 | US-11-649-663A-3060   | Sequence 892, App    |
| 458 | 60.5 | 10.3 | 1782 | 7 | US-11-649-663A-780   | Sequence 780, App    | 533 | 59.5 | 10.1 | 1075 | 7 | US-11-649-663A-892    | Sequence 2400, App   |
| 459 | 60.5 | 10.3 | 1796 | 7 | US-11-649-663A-910   | Sequence 910, App    | 534 | 59.5 | 10.1 | 1132 | 7 | US-11-649-663A-2400   | Sequence 476, App    |
| 460 | 60.5 | 10.3 | 1811 | 7 | US-11-649-663A-924   | Sequence 924, App    | 535 | 59.5 | 10.1 | 1136 | 7 | US-11-649-663A-476    | Sequence 644, App    |
| 461 | 60.5 | 10.3 | 1867 | 7 | US-11-649-663A-406   | Sequence 406, App    | 536 | 59.5 | 10.1 | 1145 | 7 | US-11-649-663A-644    | Sequence 1546, App   |
| 462 | 60.5 | 10.3 | 1867 | 7 | US-11-649-663A-2604  | Sequence 2604, App   | 537 | 59.5 | 10.1 | 1155 | 7 | US-11-649-663A-1546   | Sequence 1676, App   |
| 463 | 60.5 | 10.3 | 1884 | 7 | US-11-649-663A-2588  | Sequence 2588, App   | 538 | 59.5 | 10.1 | 1180 | 7 | US-11-649-663A-1676   | Sequence 3094, App   |
| 464 | 60.5 | 10.3 | 1897 | 7 | US-11-649-663A-2884  | Sequence 2884, App   | 539 | 59.5 | 10.1 | 1212 | 7 | US-11-649-663A-3094   | Sequence 524, App    |
| 465 | 60.5 | 10.3 | 1942 | 7 | US-11-649-663A-1096  | Sequence 1096, App   | 540 | 59.5 | 10.1 | 1232 | 7 | US-11-649-663A-524    |                      |
| 466 | 60.5 | 10.3 | 1948 | 7 | US-11-649-663A-2702  | Sequence 2702, App   | 541 | 59.5 | 10.1 |      |   |                       |                      |
| 467 | 60.5 | 10.3 | 1988 | 7 | US-11-649-663A-2860  | Sequence 2860, App   |     |      |      |      |   |                       |                      |

|     |      |      |      |   |                     |                   |     |      |      |      |   |                      |                    |
|-----|------|------|------|---|---------------------|-------------------|-----|------|------|------|---|----------------------|--------------------|
| 542 | 59.5 | 10.1 | 1270 | 7 | US-11-649-663A-364  | Sequence 364, App | 615 | 59   | 10.0 | 1393 | 7 | US-11-649-663A-506   | Sequence 506, App  |
| 543 | 59.5 | 10.1 | 1284 | 7 | US-11-649-663A-1880 | Sequence 1880, Ap | 616 | 59   | 10.0 | 1425 | 7 | US-11-649-663A-706   | Sequence 706, App  |
| 544 | 59.5 | 10.1 | 1298 | 7 | US-11-649-663A-970  | Sequence 970, App | 617 | 59   | 10.0 | 1444 | 7 | US-11-649-663A-2626  | Sequence 2626, Ap  |
| 545 | 59.5 | 10.1 | 1299 | 7 | US-11-649-663A-1640 | Sequence 1640, Ap | 618 | 59   | 10.0 | 1445 | 7 | US-11-649-663A-1452  | Sequence 1452, Ap  |
| 546 | 59.5 | 10.1 | 1316 | 7 | US-11-649-663A-1812 | Sequence 1812, Ap | 619 | 59   | 10.0 | 1448 | 7 | US-11-649-663A-2194  | Sequence 2194, Ap  |
| 547 | 59.5 | 10.1 | 1317 | 7 | US-11-649-663A-306  | Sequence 306, App | 620 | 59   | 10.0 | 1465 | 7 | US-11-649-663A-1720  | Sequence 1720, Ap  |
| 548 | 59.5 | 10.1 | 1318 | 7 | US-11-649-663A-2184 | Sequence 2184, Ap | 621 | 59   | 10.0 | 1479 | 7 | US-11-649-663A-758   | Sequence 758, App  |
| 549 | 59.5 | 10.1 | 1323 | 7 | US-11-649-663A-326  | Sequence 326, App | 622 | 59   | 10.0 | 1503 | 7 | US-11-649-663A-130   | Sequence 130, App  |
| 550 | 59.5 | 10.1 | 1325 | 7 | US-11-649-663A-1502 | Sequence 1502, Ap | 623 | 59   | 10.0 | 1504 | 7 | US-11-649-663A-332   | Sequence 332, App  |
| 551 | 59.5 | 10.1 | 1370 | 7 | US-11-649-663A-858  | Sequence 858, App | 624 | 59   | 10.0 | 1518 | 7 | US-11-649-663A-742   | Sequence 742, App  |
| 552 | 59.5 | 10.1 | 1408 | 7 | US-11-649-663A-2196 | Sequence 2196, Ap | 625 | 59   | 10.0 | 1522 | 7 | US-11-649-663A-1154  | Sequence 1154, Ap  |
| 553 | 59.5 | 10.1 | 1449 | 7 | US-11-649-663A-134  | Sequence 134, App | 626 | 59   | 10.0 | 1530 | 7 | US-11-649-663A-854   | Sequence 854, App  |
| 554 | 59.5 | 10.1 | 1449 | 7 | US-11-649-663A-336  | Sequence 336, App | 627 | 59   | 10.0 | 1560 | 7 | US-11-649-663A-1846  | Sequence 1846, Ap  |
| 555 | 59.5 | 10.1 | 1478 | 7 | US-11-649-663A-710  | Sequence 710, App | 628 | 59   | 10.0 | 1636 | 7 | US-11-649-663A-3042  | Sequence 3042, Ap  |
| 556 | 59.5 | 10.1 | 1495 | 7 | US-11-649-663A-1656 | Sequence 1656, Ap | 629 | 59   | 10.0 | 1703 | 7 | US-11-649-663A-558   | Sequence 558, App  |
| 557 | 59.5 | 10.1 | 1530 | 7 | US-11-649-663A-1862 | Sequence 1862, Ap | 630 | 59   | 10.0 | 1705 | 7 | US-11-649-663A-4242  | Sequence 4242, Ap  |
| 558 | 59.5 | 10.1 | 1553 | 7 | US-11-649-663A-380  | Sequence 380, App | 631 | 59   | 10.0 | 1706 | 7 | US-11-649-663A-2322  | Sequence 2322, Ap  |
| 559 | 59.5 | 10.1 | 1587 | 7 | US-11-649-663A-2652 | Sequence 2652, Ap | 632 | 59   | 10.0 | 1706 | 7 | US-11-649-663A-2342  | Sequence 2342, Ap  |
| 560 | 59.5 | 10.1 | 1595 | 7 | US-11-649-663A-4562 | Sequence 4562, Ap | 633 | 59   | 10.0 | 1709 | 7 | US-11-649-663A-2970  | Sequence 2970, Ap  |
| 561 | 59.5 | 10.1 | 1614 | 7 | US-11-649-663A-1770 | Sequence 1770, Ap | 634 | 59   | 10.0 | 1742 | 7 | US-11-649-663A-1238  | Sequence 1238, Ap  |
| 562 | 59.5 | 10.1 | 1642 | 7 | US-11-649-663A-1424 | Sequence 1424, Ap | 635 | 59   | 10.0 | 1773 | 7 | US-11-649-663A-1710  | Sequence 1710, Ap  |
| 563 | 59.5 | 10.1 | 1665 | 7 | US-11-649-663A-1726 | Sequence 1726, Ap | 636 | 59   | 10.0 | 1783 | 7 | US-11-649-663A-902   | Sequence 902, App  |
| 564 | 59.5 | 10.1 | 1696 | 7 | US-11-649-663A-3178 | Sequence 3178, Ap | 637 | 59   | 10.0 | 1786 | 7 | US-11-649-663A-1182  | Sequence 1182, Ap  |
| 565 | 59.5 | 10.1 | 1707 | 7 | US-11-649-663A-2636 | Sequence 2636, Ap | 638 | 59   | 10.0 | 1814 | 7 | US-11-649-663A-602   | Sequence 602, App  |
| 566 | 59.5 | 10.1 | 1708 | 7 | US-11-649-663A-2076 | Sequence 2076, Ap | 639 | 59   | 10.0 | 1880 | 7 | US-11-649-663A-2102  | Sequence 2102, Ap  |
| 567 | 59.5 | 10.1 | 1722 | 7 | US-11-649-663A-350  | Sequence 350, App | 640 | 59   | 10.0 | 1881 | 7 | US-11-649-663A-1756  | Sequence 1756, Ap  |
| 568 | 59.5 | 10.1 | 1733 | 7 | US-11-649-663A-814  | Sequence 814, App | 641 | 59   | 10.0 | 1883 | 7 | US-11-649-663A-2144  | Sequence 2144, Ap  |
| 569 | 59.5 | 10.1 | 1753 | 7 | US-11-649-663A-1222 | Sequence 1222, Ap | 642 | 59   | 10.0 | 1991 | 7 | US-11-649-663A-2570  | Sequence 2570, Ap  |
| 570 | 59.5 | 10.1 | 1772 | 7 | US-11-649-663A-4212 | Sequence 4212, Ap | 643 | 59   | 10.0 | 1991 | 7 | US-11-649-663A-2570  | Sequence 2570, Ap  |
| 571 | 59.5 | 10.1 | 1821 | 7 | US-11-649-663A-2108 | Sequence 2108, Ap | 644 | 59   | 10.0 | 2047 | 7 | US-11-649-663A-680   | Sequence 680, App  |
| 572 | 59.5 | 10.1 | 1828 | 7 | US-11-649-663A-2544 | Sequence 2544, Ap | 645 | 59   | 10.0 | 2062 | 7 | US-11-649-663A-876   | Sequence 876, App  |
| 573 | 59.5 | 10.1 | 1831 | 7 | US-11-649-663A-2120 | Sequence 2120, Ap | 646 | 59   | 10.0 | 2085 | 7 | US-11-649-663A-954   | Sequence 954, App  |
| 574 | 59.5 | 10.1 | 1860 | 7 | US-11-649-663A-612  | Sequence 612, App | 647 | 59   | 10.0 | 2088 | 7 | US-11-649-663A-4996  | Sequence 4996, Ap  |
| 575 | 59.5 | 10.1 | 1868 | 7 | US-11-649-663A-2266 | Sequence 2266, Ap | 648 | 59   | 10.0 | 2142 | 7 | US-11-649-663A-2118  | Sequence 2118, Ap  |
| 576 | 59.5 | 10.1 | 1896 | 7 | US-11-649-663A-1376 | Sequence 1376, Ap | 649 | 59   | 10.0 | 2143 | 7 | US-11-649-663A-2550  | Sequence 2550, Ap  |
| 577 | 59.5 | 10.1 | 1945 | 7 | US-11-649-663A-1972 | Sequence 1972, Ap | 650 | 59   | 10.0 | 2205 | 7 | US-11-649-663A-1876  | Sequence 1876, Ap  |
| 578 | 59.5 | 10.1 | 2061 | 7 | US-11-649-663A-1216 | Sequence 1216, Ap | 651 | 59   | 10.0 | 2472 | 7 | US-11-649-663A-1716  | Sequence 1716, Ap  |
| 579 | 59.5 | 10.1 | 2325 | 7 | US-11-649-663A-5472 | Sequence 5472, Ap | 652 | 59   | 10.0 | 3062 | 7 | US-11-649-663A-228   | Sequence 228, App  |
| 580 | 59.5 | 10.1 | 2430 | 7 | US-11-649-663A-96   | Sequence 96, Appl | 653 | 59   | 10.0 | 3362 | 7 | US-11-649-663A-2314  | Sequence 2314, App |
| 581 | 59.5 | 10.1 | 2841 | 7 | US-11-649-663A-2530 | Sequence 2530, Ap | 654 | 59   | 10.0 | 143  | 7 | US-11-713-768-25639  | Sequence 25639, A  |
| 582 | 59   | 10.0 | 167  | 6 | US-10-767-701-61680 | Sequence 61680, A | 655 | 58.5 | 9.9  | 176  | 6 | US-10-767-701-60902  | Sequence 60902, A  |
| 583 | 59   | 10.0 | 209  | 7 | US-11-713-768-25121 | Sequence 25121, A | 656 | 58.5 | 9.9  | 199  | 7 | US-11-360-355-141763 | Sequence 141763, A |
| 584 | 59   | 10.0 | 314  | 7 | US-11-713-768-88093 | Sequence 88093, A | 657 | 58.5 | 9.9  | 213  | 7 | US-11-621-022-1      | Sequence 1, Appl   |
| 585 | 59   | 10.0 | 315  | 7 | US-11-728-567-994   | Sequence 994, App | 658 | 58.5 | 9.9  | 251  | 6 | US-10-566-929-15     | Sequence 15, Appl  |
| 586 | 59   | 10.0 | 315  | 7 | US-11-713-768-88092 | Sequence 88092, A | 659 | 58.5 | 9.9  | 258  | 7 | US-11-257-477-28     | Sequence 28, Appl  |
| 587 | 59   | 10.0 | 348  | 7 | US-11-234-694-74    | Sequence 74, Appl | 660 | 58.5 | 9.9  | 280  | 7 | US-11-713-768-74373  | Sequence 74373, A  |
| 588 | 59   | 10.0 | 448  | 7 | US-11-799-117-12    | Sequence 12, Appl | 661 | 58.5 | 9.9  | 280  | 7 | US-11-713-768-107866 | Sequence 107866, A |
| 589 | 59   | 10.0 | 482  | 6 | US-10-573-962-15    | Sequence 15, Appl | 662 | 58.5 | 9.9  | 281  | 7 | US-11-713-768-74372  | Sequence 74372, A  |
| 590 | 59   | 10.0 | 516  | 7 | US-11-649-663A-2272 | Sequence 2272, Ap | 663 | 58.5 | 9.9  | 426  | 7 | US-11-615-609A-37    | Sequence 37, Appl  |
| 591 | 59   | 10.0 | 644  | 7 | US-11-649-663A-4416 | Sequence 4416, Ap | 664 | 58.5 | 9.9  | 455  | 6 | US-10-529-351A-3481  | Sequence 3481, Ap  |
| 592 | 59   | 10.0 | 687  | 7 | US-11-649-663A-5016 | Sequence 5016, Ap | 665 | 58.5 | 9.9  | 455  | 6 | US-10-551-004-65     | Sequence 65, Appl  |
| 593 | 59   | 10.0 | 858  | 7 | US-11-649-663A-156  | Sequence 156, App | 666 | 58.5 | 9.9  | 455  | 7 | US-11-625-272-149    | Sequence 149, App  |
| 594 | 59   | 10.0 | 906  | 7 | US-11-649-663A-1492 | Sequence 1492, Ap | 667 | 58.5 | 9.9  | 455  | 7 | US-11-799-117-2      | Sequence 2, Appl   |
| 595 | 59   | 10.0 | 954  | 7 | US-11-649-663A-1922 | Sequence 1922, Ap | 668 | 58.5 | 9.9  | 486  | 7 | US-11-649-663A-82    | Sequence 82, Appl  |
| 596 | 59   | 10.0 | 983  | 7 | US-11-649-663A-2434 | Sequence 2434, Ap | 669 | 58.5 | 9.9  | 503  | 7 | US-11-656-720-2      | Sequence 2, Appl   |
| 597 | 59   | 10.0 | 1001 | 7 | US-11-649-663A-1460 | Sequence 1460, Ap | 670 | 58.5 | 9.9  | 547  | 6 | US-10-566-929-17     | Sequence 17, Appl  |
| 598 | 59   | 10.0 | 1017 | 7 | US-11-649-663A-3140 | Sequence 3140, Ap | 671 | 58.5 | 9.9  | 547  | 6 | US-10-566-929-19     | Sequence 19, Appl  |
| 599 | 59   | 10.0 | 1060 | 7 | US-11-649-663A-2474 | Sequence 2474, Ap | 672 | 58.5 | 9.9  | 584  | 7 | US-11-403-116-468    | Sequence 468, App  |
| 600 | 59   | 10.0 | 1096 | 7 | US-11-649-663A-4668 | Sequence 4668, Ap | 673 | 58.5 | 9.9  | 584  | 7 | US-11-403-116-470    | Sequence 470, App  |
| 601 | 59   | 10.0 | 1141 | 7 | US-11-787-713-35    | Sequence 35, Appl | 674 | 58.5 | 9.9  | 678  | 7 | US-11-649-663A-3924  | Sequence 3924, Ap  |
| 602 | 59   | 10.0 | 1159 | 7 | US-11-649-663A-1666 | Sequence 1666, Ap | 675 | 58.5 | 9.9  | 787  | 7 | US-11-552-437-90     | Sequence 90, Appl  |
| 603 | 59   | 10.0 | 1229 | 7 | US-11-649-663A-2328 | Sequence 2328, Ap | 676 | 58.5 | 9.9  | 915  | 7 | US-11-649-663A-702   | Sequence 702, App  |
| 604 | 59   | 10.0 | 1220 | 7 | US-11-649-663A-1542 | Sequence 1542, Ap | 677 | 58.5 | 9.9  | 929  | 7 | US-11-649-663A-3988  | Sequence 3988, Ap  |
| 605 | 59   | 10.0 | 1221 | 7 | US-11-649-663A-1672 | Sequence 1672, Ap | 678 | 58.5 | 9.9  | 992  | 6 | US-10-566-929-16     | Sequence 16, Appl  |
| 606 | 59   | 10.0 | 1223 | 7 | US-11-649-663A-2472 | Sequence 2472, Ap | 679 | 58.5 | 9.9  | 992  | 6 | US-10-566-929-18     | Sequence 18, Appl  |
| 607 | 59   | 10.0 | 1245 | 7 | US-11-649-663A-850  | Sequence 850, App | 680 | 58.5 | 9.9  | 1026 | 7 | US-11-649-663A-1518  | Sequence 1518, Ap  |
| 608 | 59   | 10.0 | 1259 | 7 | US-11-649-663A-5038 | Sequence 5038, Ap | 681 | 58.5 | 9.9  | 1076 | 7 | US-11-649-663A-3980  | Sequence 3980, Ap  |
| 609 | 59   | 10.0 | 1281 | 7 | US-11-649-663A-1826 | Sequence 1826, Ap | 682 | 58.5 | 9.9  | 1111 | 7 | US-11-510-314-4      | Sequence 4, Appl   |
| 610 | 59   | 10.0 | 1303 | 7 | US-11-649-663A-430  | Sequence 430, App | 683 | 58.5 | 9.9  |      |   |                      |                    |
| 611 | 59   | 10.0 | 1310 | 7 | US-11-649-663A-1186 | Sequence 1186, Ap | 684 | 58.5 | 9.9  |      |   |                      |                    |
| 612 | 59   | 10.0 | 1310 | 7 | US-11-649-663A-3450 | Sequence 3450, Ap | 685 | 58.5 | 9.9  |      |   |                      |                    |
| 613 | 59   | 10.0 | 1350 | 7 | US-11-649-663A-3966 | Sequence 3966, Ap | 686 | 58.5 | 9.9  |      |   |                      |                    |
| 614 | 59   | 10.0 | 1377 | 7 | US-11-649-663A-518  | Sequence 518, App | 688 | 58.5 | 9.9  |      |   |                      |                    |

|     |      |     |      |   |                      |                    |     |      |     |      |   |                     |                   |
|-----|------|-----|------|---|----------------------|--------------------|-----|------|-----|------|---|---------------------|-------------------|
| 689 | 58.5 | 9.9 | 1146 | 7 | US-11-649-663A-84    | Sequence 84, Appl  | 762 | 58   | 9.8 | 1285 | 7 | US-11-649-663A-2396 | Sequence 2396, Ap |
| 690 | 58.5 | 9.9 | 1193 | 7 | US-11-510-314-2      | Sequence 2, Appl   | 763 | 58   | 9.8 | 1331 | 7 | US-11-649-663A-2766 | Sequence 2766, Ap |
| 691 | 58.5 | 9.9 | 1283 | 7 | US-11-649-663A-578   | Sequence 578, App  | 764 | 58   | 9.8 | 1348 | 7 | US-11-649-663A-2452 | Sequence 2452, Ap |
| 692 | 58.5 | 9.9 | 1291 | 7 | US-11-649-663A-1080  | Sequence 1080, Ap  | 765 | 58   | 9.8 | 1359 | 7 | US-11-649-663A-1994 | Sequence 1994, Ap |
| 693 | 58.5 | 9.9 | 1333 | 7 | US-11-649-663A-1258  | Sequence 1258, Ap  | 766 | 58   | 9.8 | 1391 | 7 | US-11-649-663A-2252 | Sequence 2252, Ap |
| 694 | 58.5 | 9.9 | 1335 | 7 | US-11-649-663A-1106  | Sequence 1106, Ap  | 767 | 58   | 9.8 | 1431 | 7 | US-11-649-663A-1112 | Sequence 1112, Ap |
| 695 | 58.5 | 9.9 | 1337 | 7 | US-11-649-663A-896   | Sequence 896, App  | 768 | 58   | 9.8 | 1431 | 7 | US-11-649-663A-2332 | Sequence 2332, Ap |
| 696 | 58.5 | 9.9 | 1346 | 7 | US-11-649-663A-3818  | Sequence 3818, Ap  | 769 | 58   | 9.8 | 1449 | 7 | US-11-649-663A-790  | Sequence 790, App |
| 697 | 58.5 | 9.9 | 1368 | 7 | US-11-649-663A-116   | Sequence 116, App  | 770 | 58   | 9.8 | 1460 | 7 | US-11-649-663A-5280 | Sequence 5280, Ap |
| 698 | 58.5 | 9.9 | 1368 | 7 | US-11-649-663A-4560  | Sequence 4560, App | 771 | 58   | 9.8 | 1464 | 7 | US-11-649-663A-2038 | Sequence 2038, Ap |
| 699 | 58.5 | 9.9 | 1407 | 7 | US-11-649-663A-464   | Sequence 464, App  | 772 | 58   | 9.8 | 1467 | 7 | US-11-649-663A-1854 | Sequence 1854, Ap |
| 700 | 58.5 | 9.9 | 1408 | 7 | US-11-649-663A-2510  | Sequence 2510, Ap  | 773 | 58   | 9.8 | 1480 | 7 | US-11-649-663A-752  | Sequence 752, App |
| 701 | 58.5 | 9.9 | 1416 | 7 | US-11-649-663A-1480  | Sequence 1480, Ap  | 774 | 58   | 9.8 | 1485 | 7 | US-11-649-663A-2206 | Sequence 2206, Ap |
| 702 | 58.5 | 9.9 | 1433 | 7 | US-11-649-663A-1920  | Sequence 1920, Ap  | 775 | 58   | 9.8 | 1516 | 7 | US-11-649-663A-2358 | Sequence 2358, Ap |
| 703 | 58.5 | 9.9 | 1467 | 7 | US-11-649-663A-4592  | Sequence 4592, Ap  | 776 | 58   | 9.8 | 1516 | 7 | US-11-649-663A-36   | Sequence 36, Appl |
| 704 | 58.5 | 9.9 | 1471 | 7 | US-11-649-663A-1160  | Sequence 1160, Ap  | 777 | 58   | 9.8 | 1521 | 7 | US-11-649-663A-1098 | Sequence 1098, Ap |
| 705 | 58.5 | 9.9 | 1555 | 7 | US-11-649-663A-1366  | Sequence 1366, App | 778 | 58   | 9.8 | 1522 | 7 | US-11-649-663A-786  | Sequence 786, App |
| 706 | 58.5 | 9.9 | 1558 | 7 | US-11-649-663A-856   | Sequence 856, App  | 779 | 58   | 9.8 | 1523 | 7 | US-11-649-663A-2056 | Sequence 2056, Ap |
| 707 | 58.5 | 9.9 | 1576 | 7 | US-11-649-663A-2886  | Sequence 2886, Ap  | 780 | 58   | 9.8 | 1533 | 7 | US-11-649-663A-580  | Sequence 580, App |
| 708 | 58.5 | 9.9 | 1600 | 7 | US-11-649-663A-544   | Sequence 544, App  | 781 | 58   | 9.8 | 1552 | 7 | US-11-649-663A-1110 | Sequence 1110, Ap |
| 709 | 58.5 | 9.9 | 1628 | 7 | US-11-649-663A-2748  | Sequence 2748, App | 782 | 58   | 9.8 | 1572 | 7 | US-11-649-663A-1926 | Sequence 1926, Ap |
| 710 | 58.5 | 9.9 | 1652 | 7 | US-11-649-663A-1188  | Sequence 1188, App | 783 | 58   | 9.8 | 1664 | 7 | US-11-649-663A-5028 | Sequence 5028, Ap |
| 711 | 58.5 | 9.9 | 1663 | 7 | US-11-649-663A-938   | Sequence 938, App  | 784 | 58   | 9.8 | 1674 | 7 | US-11-649-663A-1328 | Sequence 1328, Ap |
| 712 | 58.5 | 9.9 | 1692 | 7 | US-11-649-663A-4190  | Sequence 4190, Ap  | 785 | 58   | 9.8 | 1696 | 7 | US-11-649-663A-630  | Sequence 630, App |
| 713 | 58.5 | 9.9 | 1693 | 7 | US-11-649-663A-2728  | Sequence 2728, Ap  | 786 | 58   | 9.8 | 1730 | 7 | US-11-649-663A-5198 | Sequence 5198, Ap |
| 714 | 58.5 | 9.9 | 1784 | 7 | US-11-649-663A-1774  | Sequence 1774, Ap  | 787 | 58   | 9.8 | 1744 | 7 | US-11-649-663A-580  | Sequence 580, App |
| 715 | 58.5 | 9.9 | 1785 | 7 | US-11-649-663A-2834  | Sequence 2834, Ap  | 788 | 58   | 9.8 | 1791 | 7 | US-11-649-663A-2026 | Sequence 2026, Ap |
| 716 | 58.5 | 9.9 | 1788 | 7 | US-11-649-663A-1310  | Sequence 1310, Ap  | 789 | 58   | 9.8 | 1826 | 7 | US-11-649-663A-1322 | Sequence 1322, Ap |
| 717 | 58.5 | 9.9 | 1845 | 7 | US-11-649-663A-1372  | Sequence 1372, Ap  | 790 | 58   | 9.8 | 1917 | 7 | US-11-649-663A-2172 | Sequence 2172, Ap |
| 718 | 58.5 | 9.9 | 1847 | 7 | US-11-649-663A-1358  | Sequence 1358, Ap  | 791 | 58   | 9.8 | 1929 | 7 | US-11-649-663A-2462 | Sequence 2462, Ap |
| 719 | 58.5 | 9.9 | 1907 | 7 | US-11-649-663A-2770  | Sequence 2770, Ap  | 792 | 58   | 9.8 | 2097 | 7 | US-11-649-663A-148  | Sequence 148, App |
| 720 | 58.5 | 9.9 | 1925 | 7 | US-11-649-663A-2362  | Sequence 2362, Ap  | 793 | 58   | 9.8 | 2149 | 7 | US-11-649-663A-3214 | Sequence 3214, Ap |
| 721 | 58.5 | 9.9 | 1961 | 7 | US-11-649-663A-1714  | Sequence 1714, Ap  | 794 | 58   | 9.8 | 2365 | 7 | US-11-649-663A-804  | Sequence 804, App |
| 722 | 58.5 | 9.9 | 1965 | 7 | US-11-649-663A-1092  | Sequence 1092, Ap  | 795 | 58   | 9.8 | 2598 | 7 | US-11-649-663A-1488 | Sequence 1488, Ap |
| 723 | 58.5 | 9.9 | 2010 | 7 | US-11-649-663A-1358  | Sequence 1358, Ap  | 796 | 58   | 9.8 | 2643 | 7 | US-11-649-663A-1864 | Sequence 1864, Ap |
| 724 | 58.5 | 9.9 | 2052 | 7 | US-11-649-663A-516   | Sequence 516, App  | 797 | 58   | 9.8 | 3291 | 7 | US-11-649-663A-2666 | Sequence 2666, Ap |
| 725 | 58.5 | 9.9 | 2064 | 7 | US-11-649-663A-2494  | Sequence 2494, Ap  | 798 | 57.5 | 9.8 | 152  | 6 | US-10-767-701-43109 | Sequence 43109, A |
| 726 | 58.5 | 9.9 | 2411 | 7 | US-11-649-663A-4618  | Sequence 4618, Ap  | 799 | 57.5 | 9.8 | 264  | 7 | US-11-689-173-6813  | Sequence 6813, A  |
| 727 | 58.5 | 9.9 | 2445 | 7 | US-11-649-663A-2052  | Sequence 2052, Ap  | 800 | 57.5 | 9.8 | 280  | 7 | US-11-656-491-5395  | Sequence 5395, Ap |
| 728 | 58.5 | 9.9 | 4709 | 7 | US-11-649-663A-2292  | Sequence 2292, Ap  | 801 | 57.5 | 9.8 | 310  | 7 | US-11-713-768-9759  | Sequence 9759, Ap |
| 729 | 58   | 9.8 | 46   | 7 | US-11-214-372B-120   | Sequence 120, App  | 802 | 57.5 | 9.8 | 328  | 7 | US-11-713-768-9512  | Sequence 9512, Ap |
| 730 | 58   | 9.8 | 83   | 6 | US-10-767-701-40042  | Sequence 40042, A  | 803 | 57.5 | 9.8 | 395  | 7 | US-11-673-351-1776  | Sequence 1776, Ap |
| 731 | 58   | 9.8 | 115  | 7 | US-11-689-173-8506   | Sequence 8506, Ap  | 804 | 57.5 | 9.8 | 420  | 7 | US-11-713-768-9511  | Sequence 9511, Ap |
| 732 | 58   | 9.8 | 119  | 6 | US-10-438-246-25519  | Sequence 25519, A  | 805 | 57.5 | 9.8 | 442  | 7 | US-11-689-173-9303  | Sequence 9303, Ap |
| 733 | 58   | 9.8 | 127  | 6 | US-10-767-701-45809  | Sequence 45809, A  | 806 | 57.5 | 9.8 | 493  | 7 | US-11-713-768-9510  | Sequence 9510, Ap |
| 734 | 58   | 9.8 | 166  | 6 | US-10-438-246-18567  | Sequence 18567, A  | 807 | 57.5 | 9.8 | 565  | 7 | US-11-542-670-53    | Sequence 53, Appl |
| 735 | 58   | 9.8 | 192  | 6 | US-10-438-246-18588  | Sequence 18588, A  | 808 | 57.5 | 9.8 | 586  | 7 | US-11-649-663A-3918 | Sequence 3918, Ap |
| 736 | 58   | 9.8 | 224  | 6 | US-10-438-246-25518  | Sequence 25518, A  | 809 | 57.5 | 9.8 | 651  | 7 | US-11-649-663A-512  | Sequence 512, App |
| 737 | 58   | 9.8 | 299  | 6 | US-10-438-246-18090  | Sequence 18090, A  | 810 | 57.5 | 9.8 | 657  | 7 | US-11-537-235-68    | Sequence 68, Appl |
| 738 | 58   | 9.8 | 299  | 6 | US-10-438-246-25229  | Sequence 25229, A  | 811 | 57.5 | 9.8 | 745  | 7 | US-11-553-810-68    | Sequence 68, Appl |
| 739 | 58   | 9.8 | 301  | 6 | US-10-767-701-40000  | Sequence 40000, A  | 812 | 57.5 | 9.8 | 895  | 7 | US-11-649-663A-1408 | Sequence 1408, Ap |
| 740 | 58   | 9.8 | 359  | 7 | US-11-360-355-120013 | Sequence 120013, A | 813 | 57.5 | 9.8 | 907  | 7 | US-11-649-663A-1040 | Sequence 1040, Ap |
| 741 | 58   | 9.8 | 363  | 6 | US-10-438-246-18056  | Sequence 18056, A  | 814 | 57.5 | 9.8 | 977  | 7 | US-11-649-663A-1418 | Sequence 1418, Ap |
| 742 | 58   | 9.8 | 369  | 6 | US-10-767-701-47121  | Sequence 47121, A  | 815 | 57.5 | 9.8 | 986  | 7 | US-11-649-663A-1418 | Sequence 2680, Ap |
| 743 | 58   | 9.8 | 513  | 7 | US-11-649-663A-3284  | Sequence 3284, Ap  | 816 | 57.5 | 9.8 | 991  | 6 | US-10-481-700-5     | Sequence 5, Appl  |
| 744 | 58   | 9.8 | 525  | 7 | US-11-713-768-76541  | Sequence 76541, A  | 817 | 57.5 | 9.8 | 1058 | 7 | US-11-649-663A-420  | Sequence 420, App |
| 745 | 58   | 9.8 | 528  | 7 | US-11-649-663A-2320  | Sequence 2320, Ap  | 818 | 57.5 | 9.8 | 1058 | 7 | US-11-649-663A-1586 | Sequence 1586, Ap |
| 746 | 58   | 9.8 | 539  | 7 | US-11-713-768-76540  | Sequence 76540, A  | 819 | 57.5 | 9.8 | 1125 | 7 | US-11-649-663A-650  | Sequence 650, App |
| 747 | 58   | 9.8 | 600  | 6 | US-10-438-246-8944   | Sequence 8944, Ap  | 820 | 57.5 | 9.8 | 1136 | 7 | US-11-649-663A-2504 | Sequence 2504, Ap |
| 748 | 58   | 9.8 | 901  | 7 | US-11-360-355-146763 | Sequence 146763, A | 821 | 57.5 | 9.8 | 1146 | 7 | US-11-649-663A-2372 | Sequence 2372, Ap |
| 749 | 58   | 9.8 | 944  | 7 | US-11-649-663A-2280  | Sequence 2280, Ap  | 822 | 57.5 | 9.8 | 1167 | 7 | US-11-649-663A-2734 | Sequence 2734, Ap |
| 750 | 58   | 9.8 | 950  | 7 | US-11-649-663A-2002  | Sequence 2002, Ap  | 823 | 57.5 | 9.8 | 1175 | 7 | US-11-649-663A-2288 | Sequence 3288, Ap |
| 751 | 58   | 9.8 | 1023 | 7 | US-11-649-663A-1554  | Sequence 1554, Ap  | 824 | 57.5 | 9.8 | 1188 | 7 | US-11-649-663A-1544 | Sequence 1544, Ap |
| 752 | 58   | 9.8 | 1050 | 7 | US-11-649-663A-2020  | Sequence 2020, Ap  | 825 | 57.5 | 9.8 | 1231 | 7 | US-11-649-663A-1962 | Sequence 1962, Ap |
| 753 | 58   | 9.8 | 1092 | 7 | US-11-649-663A-912   | Sequence 912, App  | 826 | 57.5 | 9.8 | 1252 | 7 | US-11-649-663A-536  | Sequence 536, App |
| 754 | 58   | 9.8 | 1092 | 7 | US-11-649-663A-2066  | Sequence 2066, Ap  | 827 | 57.5 | 9.8 | 1263 | 7 | US-11-649-663A-1510 | Sequence 1510, Ap |
| 755 | 58   | 9.8 | 1179 | 7 | US-11-649-663A-508   | Sequence 508, App  | 828 | 57.5 | 9.8 | 1269 | 7 | US-11-649-663A-164  | Sequence 164, App |
| 756 | 58   | 9.8 | 1187 | 7 | US-11-649-663A-2394  | Sequence 2394, Ap  | 829 | 57.5 | 9.8 | 1275 | 7 | US-11-649-663A-1886 | Sequence 1886, Ap |
| 757 | 58   | 9.8 | 1187 | 7 | US-11-649-663A-2092  | Sequence 2092, Ap  | 830 | 57.5 | 9.8 | 1292 | 7 | US-11-649-663A-564  | Sequence 564, App |
| 758 | 58   | 9.8 | 1214 | 7 | US-11-649-663A-986   | Sequence 986, App  | 831 | 57.5 | 9.8 | 1296 | 7 | US-11-649-663A-2482 | Sequence 2482, Ap |
| 759 | 58   | 9.8 | 1220 | 7 | US-11-649-663A-1048  | Sequence 1048, Ap  | 832 | 57.5 | 9.8 | 1323 | 7 | US-11-649-663A-1734 | Sequence 1734, Ap |
| 760 | 58   | 9.8 | 1234 | 7 | US-11-649-663A-656   | Sequence 656, App  | 833 | 57.5 | 9.8 | 1325 | 7 | US-11-649-663A-450  | Sequence 450, App |
| 761 | 58   | 9.8 | 1242 | 7 | US-11-649-663A-98    | Sequence 98, Appl  | 834 | 57.5 | 9.8 | 1325 | 7 | US-11-649-663A-2050 | Sequence 2050, Ap |
|     |      |     |      |   |                      |                    | 835 | 57.5 | 9.8 | 1329 | 7 |                     |                   |

|     |      |     |      |   |                      |                    |     |      |     |      |   |                     |                    |
|-----|------|-----|------|---|----------------------|--------------------|-----|------|-----|------|---|---------------------|--------------------|
| 836 | 57.5 | 9.8 | 1356 | 7 | US-11-649-663A-64    | Sequence 64, Appl  | 910 | 57   | 9.7 | 1143 | 7 | US-11-649-663A-1918 | Sequence 1918, Ap  |
| 837 | 57.5 | 9.8 | 1356 | 7 | US-11-716-794-17     | Sequence 17, Appl  | 911 | 57   | 9.7 | 1156 | 7 | US-11-649-663A-756  | Sequence 756, App  |
| 838 | 57.5 | 9.8 | 1370 | 7 | US-11-649-663A-2124  | Sequence 2124, Ap  | 912 | 57   | 9.7 | 1168 | 7 | US-11-649-663A-316  | Sequence 316, App  |
| 839 | 57.5 | 9.8 | 1395 | 7 | US-11-649-663A-1130  | Sequence 1130, Ap  | 913 | 57   | 9.7 | 1181 | 7 | US-11-649-663A-2684 | Sequence 2684, Ap  |
| 840 | 57.5 | 9.8 | 1463 | 7 | US-11-649-663A-1308  | Sequence 1308, Ap  | 914 | 57   | 9.7 | 1224 | 7 | US-11-649-663A-1844 | Sequence 1844, Ap  |
| 841 | 57.5 | 9.8 | 1469 | 7 | US-11-649-663A-1890  | Sequence 1890, Ap  | 915 | 57   | 9.7 | 1227 | 7 | US-11-649-663A-486  | Sequence 486, App  |
| 842 | 57.5 | 9.8 | 1470 | 7 | US-11-649-663A-1280  | Sequence 1280, Ap  | 916 | 57   | 9.7 | 1233 | 7 | US-11-649-663A-1468 | Sequence 1468, Ap  |
| 843 | 57.5 | 9.8 | 1483 | 7 | US-11-649-663A-5082  | Sequence 5082, Ap  | 917 | 57   | 9.7 | 1242 | 7 | US-11-649-663A-1678 | Sequence 1678, Ap  |
| 844 | 57.5 | 9.8 | 1486 | 7 | US-11-649-663A-684   | Sequence 684, App  | 918 | 57   | 9.7 | 1259 | 7 | US-11-649-663A-1126 | Sequence 1126, Ap  |
| 845 | 57.5 | 9.8 | 1494 | 7 | US-11-649-663A-820   | Sequence 820, App  | 919 | 57   | 9.7 | 1260 | 7 | US-11-649-663A-1794 | Sequence 1794, Ap  |
| 846 | 57.5 | 9.8 | 1527 | 7 | US-11-649-663A-2694  | Sequence 2694, Ap  | 920 | 57   | 9.7 | 1268 | 7 | US-11-649-663A-744  | Sequence 744, App  |
| 847 | 57.5 | 9.8 | 1534 | 7 | US-11-649-663A-2156  | Sequence 2156, Ap  | 921 | 57   | 9.7 | 1277 | 7 | US-11-649-663A-888  | Sequence 888, App  |
| 848 | 57.5 | 9.8 | 1537 | 7 | US-11-649-663A-716   | Sequence 716, App  | 922 | 57   | 9.7 | 1296 | 7 | US-11-649-663A-2080 | Sequence 2080, Ap  |
| 849 | 57.5 | 9.8 | 1557 | 7 | US-11-649-663A-1244  | Sequence 1244, Ap  | 923 | 57   | 9.7 | 1314 | 7 | US-11-649-663A-736  | Sequence 736, App  |
| 850 | 57.5 | 9.8 | 1568 | 6 | US-10-438-246-32878  | Sequence 23878, A  | 924 | 57   | 9.7 | 1319 | 7 | US-11-649-663A-774  | Sequence 774, App  |
| 851 | 57.5 | 9.8 | 1591 | 7 | US-11-649-663A-576   | Sequence 576, App  | 925 | 57   | 9.7 | 1322 | 7 | US-11-649-663A-592  | Sequence 592, App  |
| 852 | 57.5 | 9.8 | 1592 | 7 | US-11-649-663A-1172  | Sequence 1172, Ap  | 926 | 57   | 9.7 | 1325 | 7 | US-11-649-663A-454  | Sequence 454, App  |
| 853 | 57.5 | 9.8 | 1600 | 7 | US-11-649-663A-636   | Sequence 636, App  | 927 | 57   | 9.7 | 1337 | 7 | US-11-649-663A-304  | Sequence 304, App  |
| 854 | 57.5 | 9.8 | 1627 | 7 | US-11-390-828-4      | Sequence 4, Appl   | 928 | 57   | 9.7 | 1340 | 7 | US-11-649-663A-2412 | Sequence 2412, Ap  |
| 855 | 57.5 | 9.8 | 1652 | 7 | US-11-649-663A-1450  | Sequence 1450, Ap  | 929 | 57   | 9.7 | 1352 | 7 | US-11-649-663A-1090 | Sequence 1090, Ap  |
| 856 | 57.5 | 9.8 | 1662 | 7 | US-11-649-663A-1966  | Sequence 1966, Ap  | 930 | 57   | 9.7 | 1357 | 7 | US-11-649-663A-1426 | Sequence 1426, Ap  |
| 857 | 57.5 | 9.8 | 1673 | 7 | US-11-649-663A-812   | Sequence 812, App  | 931 | 57   | 9.7 | 1358 | 7 | US-11-649-663A-320  | Sequence 320, App  |
| 858 | 57.5 | 9.8 | 1713 | 7 | US-11-649-663A-4894  | Sequence 4894, Ap  | 932 | 57   | 9.7 | 1358 | 7 | US-11-649-663A-2628 | Sequence 2628, Ap  |
| 859 | 57.5 | 9.8 | 1722 | 7 | US-11-649-663A-2838  | Sequence 2838, Ap  | 933 | 57   | 9.7 | 1358 | 7 | US-11-649-663A-2640 | Sequence 2640, Ap  |
| 860 | 57.5 | 9.8 | 1737 | 7 | US-11-649-663A-674   | Sequence 674, App  | 934 | 57   | 9.7 | 1369 | 7 | US-11-649-663A-2492 | Sequence 2492, Ap  |
| 861 | 57.5 | 9.8 | 1740 | 7 | US-11-649-663A-1390  | Sequence 1390, Ap  | 935 | 57   | 9.7 | 1371 | 7 | US-11-649-663A-384  | Sequence 384, App  |
| 862 | 57.5 | 9.8 | 1753 | 7 | US-11-649-663A-802   | Sequence 802, App  | 936 | 57   | 9.7 | 1395 | 7 | US-11-649-663A-2624 | Sequence 2624, Ap  |
| 863 | 57.5 | 9.8 | 1765 | 7 | US-11-649-663A-2282  | Sequence 2282, Ap  | 937 | 57   | 9.7 | 1396 | 7 | US-11-649-663A-366  | Sequence 366, App  |
| 864 | 57.5 | 9.8 | 1800 | 7 | US-11-649-663A-1392  | Sequence 1392, Ap  | 938 | 57   | 9.7 | 1410 | 7 | US-11-649-663A-964  | Sequence 964, App  |
| 865 | 57.5 | 9.8 | 1818 | 7 | US-11-649-663A-2842  | Sequence 2842, Ap  | 939 | 57   | 9.7 | 1412 | 7 | US-11-649-663A-3072 | Sequence 3072, Ap  |
| 866 | 57.5 | 9.8 | 1847 | 7 | US-11-649-663A-2852  | Sequence 2852, Ap  | 940 | 57   | 9.7 | 1413 | 7 | US-11-649-663A-1582 | Sequence 1582, Ap  |
| 867 | 57.5 | 9.8 | 1933 | 7 | US-11-649-663A-2226  | Sequence 2226, Ap  | 941 | 57   | 9.7 | 1416 | 7 | US-11-649-663A-2646 | Sequence 2646, Ap  |
| 868 | 57.5 | 9.8 | 1962 | 7 | US-11-649-663A-998   | Sequence 998, App  | 942 | 57   | 9.7 | 1418 | 7 | US-11-649-663A-950  | Sequence 950, App  |
| 869 | 57.5 | 9.8 | 2046 | 7 | US-11-649-663A-3456  | Sequence 3456, Ap  | 943 | 57   | 9.7 | 1439 | 7 | US-11-649-663A-604  | Sequence 604, App  |
| 870 | 57.5 | 9.8 | 2119 | 7 | US-11-649-663A-4798  | Sequence 4798, Ap  | 944 | 57   | 9.7 | 1482 | 7 | US-11-649-663A-880  | Sequence 880, App  |
| 871 | 57.5 | 9.8 | 2124 | 7 | US-11-649-663A-3446  | Sequence 3446, Ap  | 945 | 57   | 9.7 | 1522 | 7 | US-11-649-663A-1928 | Sequence 1928, Ap  |
| 872 | 57.5 | 9.8 | 2250 | 7 | US-11-649-663A-1394  | Sequence 1394, Ap  | 946 | 57   | 9.7 | 1533 | 7 | US-11-649-663A-78   | Sequence 78, Appl  |
| 873 | 57.5 | 9.8 | 2274 | 7 | US-11-649-663A-56    | Sequence 56, Appl  | 947 | 57   | 9.7 | 1535 | 7 | US-11-649-663A-944  | Sequence 944, App  |
| 874 | 57.5 | 9.8 | 2355 | 7 | US-11-625-272-147    | Sequence 147, App  | 948 | 57   | 9.7 | 1536 | 7 | US-11-649-663A-1218 | Sequence 1218, Ap  |
| 875 | 57.5 | 9.8 | 2386 | 7 | US-11-707-223-32     | Sequence 32, Appl  | 949 | 57   | 9.7 | 1540 | 7 | US-11-649-663A-2418 | Sequence 2418, Ap  |
| 876 | 57.5 | 9.8 | 2394 | 7 | US-11-649-663A-2722  | Sequence 2722, Ap  | 950 | 57   | 9.7 | 1569 | 7 | US-11-649-663A-2258 | Sequence 2258, Ap  |
| 877 | 57.5 | 9.8 | 2616 | 7 | US-11-649-663A-1680  | Sequence 1680, Ap  | 951 | 57   | 9.7 | 1597 | 7 | US-11-649-663A-618  | Sequence 618, App  |
| 878 | 57.5 | 9.8 | 2740 | 7 | US-11-649-663A-1234  | Sequence 1234, Ap  | 952 | 57   | 9.7 | 1605 | 7 | US-11-649-663A-1410 | Sequence 1410, Ap  |
| 879 | 57   | 9.7 | 95   | 6 | US-10-767-701-34249  | Sequence 34249, A  | 953 | 57   | 9.7 | 1633 | 7 | US-11-649-663A-2704 | Sequence 2704, Ap  |
| 880 | 57   | 9.7 | 141  | 7 | US-11-360-355-138324 | Sequence 138324, A | 954 | 57   | 9.7 | 1637 | 7 | US-11-649-663A-2178 | Sequence 2178, Ap  |
| 881 | 57   | 9.7 | 149  | 7 | US-11-360-355-159798 | Sequence 159798, A | 955 | 57   | 9.7 | 1637 | 7 | US-11-649-663A-2562 | Sequence 2562, Ap  |
| 882 | 57   | 9.7 | 157  | 7 | US-11-713-768-58091  | Sequence 58091, A  | 956 | 57   | 9.7 | 1649 | 7 | US-11-649-663A-860  | Sequence 860, App  |
| 883 | 57   | 9.7 | 291  | 7 | US-11-713-768-55600  | Sequence 55600, A  | 957 | 57   | 9.7 | 1698 | 7 | US-11-649-663A-718  | Sequence 718, App  |
| 884 | 57   | 9.7 | 303  | 7 | US-11-713-768-55599  | Sequence 55599, A  | 958 | 57   | 9.7 | 1721 | 7 | US-11-649-663A-968  | Sequence 968, App  |
| 885 | 57   | 9.7 | 309  | 7 | US-11-713-768-55598  | Sequence 55598, A  | 959 | 57   | 9.7 | 1735 | 7 | US-11-649-663A-2246 | Sequence 2246, Ap  |
| 886 | 57   | 9.7 | 443  | 7 | US-11-537-235-318    | Sequence 318, App  | 960 | 57   | 9.7 | 1738 | 7 | US-11-649-663A-864  | Sequence 864, App  |
| 887 | 57   | 9.7 | 443  | 7 | US-11-537-235-318    | Sequence 318, App  | 961 | 57   | 9.7 | 1766 | 7 | US-11-649-663A-5194 | Sequence 5194, Ap  |
| 888 | 57   | 9.7 | 549  | 6 | US-10-438-246-33486  | Sequence 33486, A  | 962 | 57   | 9.7 | 1775 | 7 | US-11-649-663A-526  | Sequence 526, App  |
| 889 | 57   | 9.7 | 598  | 7 | US-11-403-116-465    | Sequence 465, App  | 963 | 57   | 9.7 | 1822 | 6 | US-10-529-351A-4964 | Sequence 4964, Ap  |
| 890 | 57   | 9.7 | 619  | 7 | US-11-649-663A-194   | Sequence 194, App  | 964 | 57   | 9.7 | 1872 | 7 | US-11-649-663A-1664 | Sequence 1664, Ap  |
| 891 | 57   | 9.7 | 655  | 6 | US-10-529-351A-1871  | Sequence 1871, Ap  | 965 | 57   | 9.7 | 1910 | 7 | US-11-649-663A-2256 | Sequence 2256, Ap  |
| 892 | 57   | 9.7 | 838  | 7 | US-11-649-663A-808   | Sequence 808, App  | 966 | 57   | 9.7 | 1951 | 7 | US-11-649-663A-3118 | Sequence 3118, Ap  |
| 893 | 57   | 9.7 | 856  | 7 | US-11-649-663A-5482  | Sequence 5482, Ap  | 967 | 57   | 9.7 | 1968 | 7 | US-11-649-663A-730  | Sequence 730, App  |
| 895 | 57   | 9.7 | 893  | 7 | US-11-649-663A-1942  | Sequence 1942, Ap  | 968 | 57   | 9.7 | 2017 | 7 | US-11-649-663A-2682 | Sequence 2682, Ap  |
| 896 | 57   | 9.7 | 903  | 7 | US-11-649-663A-574   | Sequence 574, App  | 969 | 57   | 9.7 | 2180 | 7 | US-11-649-663A-530  | Sequence 530, App  |
| 897 | 57   | 9.7 | 904  | 7 | US-11-649-663A-2616  | Sequence 2616, Ap  | 970 | 57   | 9.7 | 6498 | 7 | US-11-726-028-8     | Sequence 8, Appl   |
| 898 | 57   | 9.7 | 906  | 7 | US-11-649-663A-2610  | Sequence 2610, Ap  | 971 | 56.5 | 9.6 | 62   | 7 | US-11-518-530-508   | Sequence 508, App  |
| 899 | 57   | 9.7 | 909  | 7 | US-11-649-663A-1506  | Sequence 1506, Ap  | 972 | 56.5 | 9.6 | 143  | 6 | US-10-438-246-33361 | Sequence 33361, A  |
| 900 | 57   | 9.7 | 910  | 7 | US-11-649-663A-2232  | Sequence 2232, Ap  | 973 | 56.5 | 9.6 | 233  | 6 | US-10-438-246-33360 | Sequence 33360, A  |
| 901 | 57   | 9.7 | 914  | 7 | US-11-649-663A-2084  | Sequence 2084, Ap  | 974 | 56.5 | 9.6 | 350  | 6 | US-10-438-246-32025 | Sequence 32025, A  |
| 902 | 57   | 9.7 | 975  | 7 | US-11-649-663A-2030  | Sequence 2030, Ap  | 975 | 56.5 | 9.6 | 423  | 6 | US-10-438-246-17204 | Sequence 17204, A  |
| 903 | 57   | 9.7 | 994  | 7 | US-11-649-663A-918   | Sequence 918, App  | 976 | 56.5 | 9.6 | 423  | 6 | US-10-438-246-25468 | Sequence 25468, A  |
| 904 | 57   | 9.7 | 1020 | 7 | US-11-649-663A-1624  | Sequence 1624, Ap  | 977 | 56.5 | 9.6 | 439  | 7 | US-11-713-768-6832  | Sequence 6832, Ap  |
| 905 | 57   | 9.7 | 1027 | 7 | US-11-649-663A-4296  | Sequence 4296, Ap  | 978 | 56.5 | 9.6 | 462  | 7 | US-11-713-768-6831  | Sequence 6831, App |
| 906 | 57   | 9.7 | 1036 | 7 | US-11-234-694-104    | Sequence 104, App  | 979 | 56.5 | 9.6 | 463  | 7 | US-11-649-663A-80   | Sequence 80, Appl  |
| 907 | 57   | 9.7 | 1049 | 7 | US-11-649-663A-468   | Sequence 468, App  | 980 | 56.5 | 9.6 | 480  | 7 | US-11-713-768-6830  | Sequence 6830, Ap  |
| 908 | 57   | 9.7 | 1050 | 7 | US-11-649-663A-1948  | Sequence 1948, Ap  | 981 | 56.5 | 9.6 | 518  | 7 | US-11-649-663A-3402 | Sequence 3402, Ap  |
| 909 | 57   | 9.7 | 1055 | 7 | US-11-649-663A-2854  | Sequence 2854, Ap  | 982 | 56.5 | 9.6 | 642  | 7 | US-11-112-327-11    | Sequence 11, Appl  |



|      |      |     |      |   |                     |                    |      |    |     |      |   |                      |                    |
|------|------|-----|------|---|---------------------|--------------------|------|----|-----|------|---|----------------------|--------------------|
| 983  | 56.5 | 9.6 | 647  | 7 | US-11-649-663A-714  | Sequence 714, App  | 1056 | 56 | 9.5 | 132  | 7 | US-11-713-768-85497  | Sequence 85497, A  |
| 984  | 56.5 | 9.6 | 831  | 7 | US-11-445-001-85    | Sequence 85, Appl  | 1057 | 56 | 9.5 | 132  | 7 | US-11-713-768-96353  | Sequence 96353, A  |
| 985  | 56.5 | 9.6 | 871  | 7 | US-11-445-001-86    | Sequence 86, Appl  | 1058 | 56 | 9.5 | 135  | 6 | US-10-767-701-16258  | Sequence 62536, A  |
| 986  | 56.5 | 9.6 | 965  | 7 | US-11-649-663A-4878 | Sequence 4878, Ap  | 1059 | 56 | 9.5 | 145  | 6 | US-10-438-246-18592  | Sequence 18592, A  |
| 987  | 56.5 | 9.6 | 970  | 7 | US-11-649-663A-2336 | Sequence 2336, Ap  | 1060 | 56 | 9.5 | 152  | 7 | US-11-713-768-109120 | Sequence 109120, A |
| 988  | 56.5 | 9.6 | 995  | 7 | US-11-649-663A-1572 | Sequence 1572, Ap  | 1061 | 56 | 9.5 | 161  | 6 | US-10-767-701-31648  | Sequence 31648, A  |
| 989  | 56.5 | 9.6 | 1029 | 7 | US-11-649-663A-1900 | Sequence 1900, Ap  | 1062 | 56 | 9.5 | 163  | 7 | US-11-713-768-85496  | Sequence 85496, A  |
| 990  | 56.5 | 9.6 | 1076 | 7 | US-11-537-235-219   | Sequence 219, App  | 1063 | 56 | 9.5 | 163  | 7 | US-11-713-768-96352  | Sequence 96352, A  |
| 991  | 56.5 | 9.6 | 1094 | 7 | US-11-553-810-219   | Sequence 219, App  | 1064 | 56 | 9.5 | 195  | 7 | US-11-713-768-109119 | Sequence 109119, A |
| 992  | 56.5 | 9.6 | 1096 | 7 | US-11-649-663A-438  | Sequence 438, App  | 1065 | 56 | 9.5 | 208  | 7 | US-11-713-768-64492  | Sequence 64492, A  |
| 993  | 56.5 | 9.6 | 1095 | 7 | US-11-649-663A-240  | Sequence 240, App  | 1066 | 56 | 9.5 | 264  | 7 | US-11-725-235-146    | Sequence 146, App  |
| 994  | 56.5 | 9.6 | 1125 | 7 | US-11-649-663A-54   | Sequence 54, Appl  | 1067 | 56 | 9.5 | 264  | 7 | US-11-728-567-710    | Sequence 710, App  |
| 995  | 56.5 | 9.6 | 1150 | 7 | US-11-713-768-86061 | Sequence 86061, A  | 1068 | 56 | 9.5 | 264  | 7 | US-11-713-768-96351  | Sequence 96351, A  |
| 996  | 56.5 | 9.6 | 1170 | 7 | US-11-713-768-86060 | Sequence 86060, A  | 1069 | 56 | 9.5 | 265  | 7 | US-11-713-768-106290 | Sequence 106290, A |
| 997  | 56.5 | 9.6 | 1190 | 6 | US-10-438-246-19095 | Sequence 19095, A  | 1070 | 56 | 9.5 | 270  | 7 | US-11-713-768-106289 | Sequence 106289, A |
| 998  | 56.5 | 9.6 | 1220 | 7 | US-11-649-663A-2404 | Sequence 2404, Ap  | 1071 | 56 | 9.5 | 281  | 7 | US-11-360-355-133206 | Sequence 133206, A |
| 999  | 56.5 | 9.6 | 1221 | 7 | US-11-649-663A-362  | Sequence 362, App  | 1072 | 56 | 9.5 | 291  | 7 | US-11-360-355-137100 | Sequence 137100, A |
| 1000 | 56.5 | 9.6 | 1227 | 7 | US-11-649-663A-2644 | Sequence 2644, Ap  | 1073 | 56 | 9.5 | 457  | 7 | US-11-649-663A-188   | Sequence 188, App  |
| 1001 | 56.5 | 9.6 | 1234 | 7 | US-11-649-663A-1046 | Sequence 1046, Ap  | 1074 | 56 | 9.5 | 503  | 7 | US-11-649-663A-86    | Sequence 86, Appl  |
| 1002 | 56.5 | 9.6 | 1253 | 7 | US-11-649-663A-1276 | Sequence 1276, Ap  | 1075 | 56 | 9.5 | 515  | 7 | US-11-360-355-132122 | Sequence 132122, A |
| 1003 | 56.5 | 9.6 | 1276 | 7 | US-11-649-663A-1764 | Sequence 1764, Ap  | 1076 | 56 | 9.5 | 533  | 7 | US-11-649-663A-190   | Sequence 190, App  |
| 1004 | 56.5 | 9.6 | 1277 | 7 | US-11-649-663A-440  | Sequence 440, App  | 1077 | 56 | 9.5 | 572  | 7 | US-11-649-663A-5524  | Sequence 5524, App |
| 1005 | 56.5 | 9.6 | 1280 | 7 | US-11-649-663A-2512 | Sequence 2512, Ap  | 1078 | 56 | 9.5 | 628  | 7 | US-11-649-663A-3552  | Sequence 3552, Ap  |
| 1006 | 56.5 | 9.6 | 1292 | 7 | US-11-649-663A-514  | Sequence 514, App  | 1079 | 56 | 9.5 | 754  | 7 | US-11-713-768-81272  | Sequence 81272, A  |
| 1007 | 56.5 | 9.6 | 1304 | 7 | US-11-649-663A-2586 | Sequence 2586, Ap  | 1080 | 56 | 9.5 | 826  | 7 | US-11-713-768-81271  | Sequence 81271, A  |
| 1008 | 56.5 | 9.6 | 1305 | 7 | US-11-649-663A-2140 | Sequence 2140, Ap  | 1081 | 56 | 9.5 | 843  | 6 | US-10-438-246-10849  | Sequence 10849, A  |
| 1009 | 56.5 | 9.6 | 1319 | 6 | US-10-438-246-19056 | Sequence 19056, A  | 1082 | 56 | 9.5 | 849  | 7 | US-11-713-768-81270  | Sequence 81270, A  |
| 1010 | 56.5 | 9.6 | 1349 | 6 | US-10-438-246-25888 | Sequence 25888, A  | 1083 | 56 | 9.5 | 921  | 7 | US-11-649-663A-2044  | Sequence 2044, Ap  |
| 1011 | 56.5 | 9.6 | 1376 | 7 | US-11-649-663A-2466 | Sequence 2466, Ap  | 1084 | 56 | 9.5 | 931  | 7 | US-11-649-663A-2082  | Sequence 2082, Ap  |
| 1012 | 56.5 | 9.6 | 1376 | 7 | US-11-649-663A-482  | Sequence 482, App  | 1085 | 56 | 9.5 | 938  | 6 | US-10-529-351A-1767  | Sequence 1767, Ap  |
| 1013 | 56.5 | 9.6 | 1376 | 7 | US-11-649-663A-836  | Sequence 836, App  | 1086 | 56 | 9.5 | 945  | 7 | US-11-649-663A-782   | Sequence 782, App  |
| 1014 | 56.5 | 9.6 | 1381 | 7 | US-11-649-663A-3378 | Sequence 3378, Ap  | 1087 | 56 | 9.5 | 967  | 7 | US-11-649-663A-412   | Sequence 412, App  |
| 1015 | 56.5 | 9.6 | 1394 | 7 | US-11-649-663A-640  | Sequence 640, App  | 1088 | 56 | 9.5 | 997  | 7 | US-11-649-663A-4404  | Sequence 4404, Ap  |
| 1016 | 56.5 | 9.6 | 1436 | 6 | US-10-438-246-19057 | Sequence 19057, A  | 1089 | 56 | 9.5 | 1059 | 7 | US-11-649-663A-1950  | Sequence 1950, Ap  |
| 1017 | 56.5 | 9.6 | 1449 | 7 | US-11-649-663A-1362 | Sequence 1362, Ap  | 1090 | 56 | 9.5 | 1160 | 7 | US-11-649-663A-2370  | Sequence 2370, Ap  |
| 1018 | 56.5 | 9.6 | 1459 | 7 | US-11-649-663A-3196 | Sequence 3196, Ap  | 1091 | 56 | 9.5 | 1187 | 7 | US-11-649-663A-1728  | Sequence 1728, Ap  |
| 1019 | 56.5 | 9.6 | 1462 | 7 | US-11-649-663A-1412 | Sequence 1412, Ap  | 1092 | 56 | 9.5 | 1209 | 7 | US-11-649-663A-360   | Sequence 360, App  |
| 1020 | 56.5 | 9.6 | 1486 | 7 | US-11-649-663A-772  | Sequence 772, App  | 1093 | 56 | 9.5 | 1209 | 7 | US-11-649-663A-2564  | Sequence 2564, Ap  |
| 1021 | 56.5 | 9.6 | 1487 | 7 | US-11-649-663A-696  | Sequence 696, App  | 1094 | 56 | 9.5 | 1209 | 7 | US-11-649-663A-4384  | Sequence 4384, Ap  |
| 1022 | 56.5 | 9.6 | 1487 | 7 | US-11-649-663A-2972 | Sequence 2972, Ap  | 1095 | 56 | 9.5 | 1238 | 7 | US-11-649-663A-1082  | Sequence 1082, Ap  |
| 1023 | 56.5 | 9.6 | 1488 | 7 | US-11-649-663A-4372 | Sequence 4372, Ap  | 1096 | 56 | 9.5 | 1248 | 7 | US-11-649-663A-1482  | Sequence 1482, Ap  |
| 1024 | 56.5 | 9.6 | 1502 | 7 | US-11-649-663A-632  | Sequence 632, App  | 1097 | 56 | 9.5 | 1248 | 7 | US-11-649-663A-2162  | Sequence 2162, Ap  |
| 1025 | 56.5 | 9.6 | 1517 | 7 | US-11-649-663A-1368 | Sequence 1368, App | 1098 | 56 | 9.5 | 1250 | 7 | US-11-649-663A-1888  | Sequence 1888, Ap  |
| 1026 | 56.5 | 9.6 | 1521 | 7 | US-11-649-663A-1956 | Sequence 1956, Ap  | 1099 | 56 | 9.5 | 1251 | 7 | US-11-649-663A-426   | Sequence 426, App  |
| 1027 | 56.5 | 9.6 | 1531 | 7 | US-11-649-663A-170  | Sequence 170, App  | 1100 | 56 | 9.5 | 1265 | 7 | US-11-649-663A-678   | Sequence 478, App  |
| 1028 | 56.5 | 9.6 | 1535 | 7 | US-11-673-351-48    | Sequence 48, Appl  | 1101 | 56 | 9.5 | 1283 | 7 | US-11-649-663A-678   | Sequence 678, App  |
| 1029 | 56.5 | 9.6 | 1545 | 7 | US-11-649-663A-1584 | Sequence 1584, Ap  | 1102 | 56 | 9.5 | 1287 | 7 | US-11-649-663A-1024  | Sequence 1024, Ap  |
| 1030 | 56.5 | 9.6 | 1546 | 7 | US-11-649-663A-1896 | Sequence 1896, Ap  | 1103 | 56 | 9.5 | 1292 | 7 | US-11-649-663A-1736  | Sequence 1736, Ap  |
| 1031 | 56.5 | 9.6 | 1553 | 7 | US-11-649-663A-1432 | Sequence 1432, Ap  | 1104 | 56 | 9.5 | 1293 | 7 | US-11-649-663A-824   | Sequence 824, App  |
| 1032 | 56.5 | 9.6 | 1577 | 7 | US-11-649-663A-1118 | Sequence 1118, Ap  | 1105 | 56 | 9.5 | 1324 | 7 | US-11-649-663A-1210  | Sequence 1210, Ap  |
| 1033 | 56.5 | 9.6 | 1578 | 7 | US-11-649-663A-1274 | Sequence 1274, Ap  | 1106 | 56 | 9.5 | 1337 | 7 | US-11-649-663A-1360  | Sequence 1360, Ap  |
| 1034 | 56.5 | 9.6 | 1610 | 7 | US-11-649-663A-1472 | Sequence 1472, Ap  | 1107 | 56 | 9.5 | 1359 | 7 | US-11-649-663A-3586  | Sequence 3586, Ap  |
| 1035 | 56.5 | 9.6 | 1610 | 7 | US-11-649-663A-1688 | Sequence 1688, App | 1108 | 56 | 9.5 | 1362 | 7 | US-11-649-663A-1772  | Sequence 1772, Ap  |
| 1036 | 56.5 | 9.6 | 1655 | 6 | US-10-438-246-25931 | Sequence 25931, A  | 1109 | 56 | 9.5 | 1383 | 7 | US-11-649-663A-1782  | Sequence 1782, Ap  |
| 1037 | 56.5 | 9.6 | 1657 | 7 | US-11-649-663A-1212 | Sequence 1212, Ap  | 1110 | 56 | 9.5 | 1394 | 7 | US-11-649-663A-2146  | Sequence 2146, Ap  |
| 1038 | 56.5 | 9.6 | 1660 | 7 | US-11-649-663A-2908 | Sequence 2908, Ap  | 1111 | 56 | 9.5 | 1403 | 7 | US-11-649-663A-738   | Sequence 738, App  |
| 1039 | 56.5 | 9.6 | 1711 | 7 | US-11-649-663A-2190 | Sequence 2190, Ap  | 1112 | 56 | 9.5 | 1420 | 7 | US-11-649-663A-2516  | Sequence 2516, Ap  |
| 1040 | 56.5 | 9.6 | 1713 | 7 | US-11-649-663A-1752 | Sequence 1752, Ap  | 1113 | 56 | 9.5 | 1439 | 7 | US-11-649-663A-3364  | Sequence 3364, Ap  |
| 1041 | 56.5 | 9.6 | 1720 | 7 | US-11-649-663A-3676 | Sequence 3676, Ap  | 1114 | 56 | 9.5 | 1452 | 7 | US-11-649-663A-38    | Sequence 38, Appl  |
| 1042 | 56.5 | 9.6 | 1739 | 7 | US-11-649-663A-318  | Sequence 318, App  | 1115 | 56 | 9.5 | 1462 | 7 | US-11-649-663A-1056  | Sequence 1056, Ap  |
| 1043 | 56.5 | 9.6 | 1780 | 7 | US-11-649-663A-1970 | Sequence 1970, Ap  | 1116 | 56 | 9.5 | 1462 | 7 | US-11-649-663A-3242  | Sequence 3242, Ap  |
| 1044 | 56.5 | 9.6 | 1788 | 6 | US-10-438-246-19513 | Sequence 19513, A  | 1117 | 56 | 9.5 | 1475 | 7 | US-11-649-663A-898   | Sequence 898, App  |
| 1045 | 56.5 | 9.6 | 1808 | 7 | US-11-649-663A-1788 | Sequence 1788, Ap  | 1118 | 56 | 9.5 | 1478 | 7 | US-11-649-663A-1476  | Sequence 1476, Ap  |
| 1046 | 56.5 | 9.6 | 1826 | 7 | US-11-649-663A-1400 | Sequence 1400, Ap  | 1119 | 56 | 9.5 | 1518 | 7 | US-11-649-663A-1982  | Sequence 1982, Ap  |
| 1047 | 56.5 | 9.6 | 1882 | 7 | US-11-649-663A-1388 | Sequence 1388, Ap  | 1120 | 56 | 9.5 | 1527 | 7 | US-11-649-663A-1278  | Sequence 1278, Ap  |
| 1048 | 56.5 | 9.6 | 1940 | 7 | US-11-649-663A-728  | Sequence 728, App  | 1121 | 56 | 9.5 | 1528 | 7 | US-11-649-663A-2436  | Sequence 2436, Ap  |
| 1049 | 56.5 | 9.6 | 1955 | 7 | US-11-649-663A-1590 | Sequence 1590, Ap  | 1122 | 56 | 9.5 | 1566 | 7 | US-11-649-663A-2208  | Sequence 2208, Ap  |
| 1050 | 56.5 | 9.6 | 1970 | 7 | US-11-649-663A-1984 | Sequence 1984, Ap  | 1123 | 56 | 9.5 | 1598 | 7 | US-11-649-663A-2072  | Sequence 2072, Ap  |
| 1051 | 56.5 | 9.6 | 1980 | 7 | US-11-649-663A-1298 | Sequence 1298, Ap  | 1124 | 56 | 9.5 | 1601 | 7 | US-11-649-663A-2264  | Sequence 2264, Ap  |
| 1052 | 56.5 | 9.6 | 2133 | 7 | US-11-649-663A-894  | Sequence 894, App  | 1125 | 56 | 9.5 | 1610 | 7 | US-11-649-663A-2130  | Sequence 2130, Ap  |
| 1053 | 56.5 | 9.6 | 4753 | 7 | US-11-673-351-247   | Sequence 247, App  | 1126 | 56 | 9.5 | 1653 | 7 | US-11-649-663A-626   | Sequence 626, App  |
| 1054 | 56   | 9.5 | 93   | 6 | US-10-767-701-43275 | Sequence 43275, A  | 1127 | 56 | 9.5 | 1669 | 7 | US-11-649-663A-1758  | Sequence 1758, Ap  |
| 1055 | 56   | 9.5 | 124  | 7 | US-11-713-768-17338 | Sequence 17338, A  | 1128 | 56 | 9.5 | 1681 | 7 | US-11-649-663A-5166  | Sequence 5166, Ap  |

|      |      |     |      |   |                     |                   |      |      |     |      |   |                      |                   |
|------|------|-----|------|---|---------------------|-------------------|------|------|-----|------|---|----------------------|-------------------|
| 1129 | 56   | 9.5 | 1708 | 7 | US-11-649-663A-2136 | Sequence 2136, Ap | 1204 | 55.5 | 9.4 | 1192 | 7 | US-11-649-663A-2334  | Sequence 2334, Ap |
| 1130 | 56   | 9.5 | 1710 | 7 | US-11-649-663A-1588 | Sequence 1588, Ap | 1205 | 55.5 | 9.4 | 1197 | 7 | US-11-649-663A-1796  | Sequence 1796, Ap |
| 1131 | 56   | 9.5 | 1714 | 7 | US-11-649-663A-740  | Sequence 740, App | 1206 | 55.5 | 9.4 | 1206 | 7 | US-11-649-663A-916   | Sequence 916, App |
| 1132 | 56   | 9.5 | 1721 | 7 | US-11-649-663A-1148 | Sequence 1148, Ap | 1207 | 55.5 | 9.4 | 1217 | 7 | US-11-649-663A-4324  | Sequence 4324, Ap |
| 1133 | 56   | 9.5 | 1747 | 7 | US-11-649-663A-2700 | Sequence 2700, Ap | 1208 | 55.5 | 9.4 | 1219 | 7 | US-11-649-663A-1462  | Sequence 1462, Ap |
| 1135 | 56   | 9.5 | 1761 | 7 | US-11-649-663A-3708 | Sequence 3708, Ap | 1209 | 55.5 | 9.4 | 1220 | 7 | US-11-649-663A-284   | Sequence 284, App |
| 1136 | 56   | 9.5 | 1767 | 7 | US-11-649-663A-900  | Sequence 900, App | 1210 | 55.5 | 9.4 | 1224 | 7 | US-11-649-663A-1616  | Sequence 1616, Ap |
| 1137 | 56   | 9.5 | 1792 | 7 | US-11-649-663A-1192 | Sequence 1192, Ap | 1211 | 55.5 | 9.4 | 1244 | 7 | US-11-649-663A-488   | Sequence 488, App |
| 1138 | 56   | 9.5 | 1816 | 7 | US-11-649-663A-590  | Sequence 590, App | 1212 | 55.5 | 9.4 | 1245 | 7 | US-11-649-663A-3982  | Sequence 3982, Ap |
| 1139 | 56   | 9.5 | 1863 | 7 | US-11-649-663A-1830 | Sequence 1830, Ap | 1213 | 55.5 | 9.4 | 1258 | 7 | US-11-649-663A-1612  | Sequence 1612, Ap |
| 1140 | 56   | 9.5 | 1869 | 7 | US-11-649-663A-746  | Sequence 746, App | 1214 | 55.5 | 9.4 | 1291 | 7 | US-11-649-663A-1206  | Sequence 1206, Ap |
| 1141 | 56   | 9.5 | 1884 | 7 | US-11-649-663A-234  | Sequence 234, App | 1215 | 55.5 | 9.4 | 1298 | 7 | US-11-649-663A-5050  | Sequence 5050, Ap |
| 1142 | 56   | 9.5 | 1919 | 7 | US-11-649-663A-4028 | Sequence 4028, Ap | 1216 | 55.5 | 9.4 | 1309 | 7 | US-11-649-663A-2670  | Sequence 2670, Ap |
| 1143 | 56   | 9.5 | 1934 | 7 | US-11-649-663A-1742 | Sequence 1742, Ap | 1217 | 55.5 | 9.4 | 1320 | 7 | US-11-649-663A-2270  | Sequence 2270, Ap |
| 1144 | 56   | 9.5 | 1937 | 7 | US-11-649-663A-3074 | Sequence 3074, Ap | 1218 | 55.5 | 9.4 | 1382 | 7 | US-11-649-663A-828   | Sequence 828, App |
| 1145 | 56   | 9.5 | 2062 | 7 | US-11-649-663A-1454 | Sequence 1454, Ap | 1219 | 55.5 | 9.4 | 1382 | 7 | US-11-649-663A-2402  | Sequence 2402, Ap |
| 1146 | 56   | 9.5 | 2068 | 7 | US-11-649-663A-2662 | Sequence 2662, Ap | 1220 | 55.5 | 9.4 | 1382 | 7 | US-11-649-663A-2808  | Sequence 2808, Ap |
| 1147 | 56   | 9.5 | 2077 | 7 | US-11-649-663A-324  | Sequence 324, App | 1221 | 55.5 | 9.4 | 1382 | 7 | US-11-649-663A-2276  | Sequence 2276, Ap |
| 1148 | 56   | 9.5 | 2101 | 7 | US-11-649-663A-778  | Sequence 778, App | 1222 | 55.5 | 9.4 | 1382 | 7 | US-11-649-663A-828   | Sequence 828, App |
| 1149 | 56   | 9.5 | 2110 | 7 | US-11-649-663A-2010 | Sequence 2010, Ap | 1223 | 55.5 | 9.4 | 1407 | 7 | US-11-649-663A-1498  | Sequence 1498, Ap |
| 1150 | 56   | 9.5 | 2127 | 7 | US-11-649-663A-748  | Sequence 748, App | 1224 | 55.5 | 9.4 | 1410 | 7 | US-11-649-663A-1062  | Sequence 1062, Ap |
| 1151 | 56   | 9.5 | 2205 | 7 | US-11-649-663A-1504 | Sequence 1504, Ap | 1225 | 55.5 | 9.4 | 1436 | 7 | US-11-649-663A-958   | Sequence 958, App |
| 1152 | 56   | 9.5 | 2235 | 7 | US-11-649-663A-2036 | Sequence 2036, Ap | 1226 | 55.5 | 9.4 | 1436 | 7 | US-11-649-663A-958   | Sequence 958, App |
| 1153 | 56   | 9.5 | 2280 | 7 | US-11-649-663A-1878 | Sequence 1878, Ap | 1227 | 55.5 | 9.4 | 1446 | 7 | US-11-649-663A-662   | Sequence 662, App |
| 1154 | 56   | 9.5 | 2328 | 7 | US-11-649-663A-1936 | Sequence 1936, Ap | 1228 | 55.5 | 9.4 | 1447 | 7 | US-11-649-663A-3646  | Sequence 3646, Ap |
| 1155 | 56   | 9.5 | 2384 | 7 | US-11-649-663A-1740 | Sequence 1740, Ap | 1229 | 55.5 | 9.4 | 1472 | 7 | US-11-649-663A-1344  | Sequence 1344, Ap |
| 1156 | 56   | 9.5 | 2415 | 7 | US-11-649-663A-1564 | Sequence 1564, Ap | 1230 | 55.5 | 9.4 | 1481 | 7 | US-11-649-663A-1162  | Sequence 1162, Ap |
| 1157 | 56   | 9.5 | 2436 | 7 | US-11-649-663A-1790 | Sequence 1790, Ap | 1231 | 55.5 | 9.4 | 1512 | 7 | US-11-649-663A-550   | Sequence 550, App |
| 1158 | 56   | 9.5 | 2459 | 7 | US-11-649-663A-1578 | Sequence 1578, Ap | 1232 | 55.5 | 9.4 | 1513 | 7 | US-11-649-663A-2306  | Sequence 2306, Ap |
| 1159 | 56   | 9.5 | 2487 | 7 | US-11-649-663A-1608 | Sequence 1608, Ap | 1233 | 55.5 | 9.4 | 1529 | 7 | US-11-649-663A-1114  | Sequence 1114, Ap |
| 1160 | 56   | 9.5 | 2782 | 7 | US-11-649-663A-722  | Sequence 722, App | 1234 | 55.5 | 9.4 | 1537 | 7 | US-11-649-663A-2736  | Sequence 2736, Ap |
| 1161 | 56   | 9.5 | 2973 | 7 | US-11-649-663A-1566 | Sequence 1566, Ap | 1235 | 55.5 | 9.4 | 1538 | 7 | US-11-649-663A-2654  | Sequence 2654, Ap |
| 1162 | 56   | 9.5 | 3159 | 7 | US-11-649-663A-1916 | Sequence 1916, Ap | 1236 | 55.5 | 9.4 | 1553 | 7 | US-11-649-663A-1430  | Sequence 1430, Ap |
| 1163 | 56   | 9.5 | 3652 | 7 | US-11-649-663A-2760 | Sequence 2760, Ap | 1237 | 55.5 | 9.4 | 1619 | 7 | US-11-649-663A-222   | Sequence 222, App |
| 1164 | 56   | 9.5 | 5405 | 7 | US-11-625-272-151   | Sequence 151, App | 1238 | 55.5 | 9.4 | 1632 | 7 | US-11-649-663A-3990  | Sequence 3990, Ap |
| 1165 | 55.5 | 9.4 | 42   | 7 | US-11-528-927-571   | Sequence 571, App | 1239 | 55.5 | 9.4 | 1657 | 7 | US-11-649-663A-642   | Sequence 642, App |
| 1166 | 55.5 | 9.4 | 42   | 7 | US-11-528-950-571   | Sequence 571, App | 1240 | 55.5 | 9.4 | 1659 | 7 | US-11-649-663A-984   | Sequence 984, App |
| 1167 | 55.5 | 9.4 | 97   | 6 | US-10-438-246-32293 | Sequence 32293, A | 1241 | 55.5 | 9.4 | 1713 | 7 | US-11-649-663A-3720  | Sequence 3720, Ap |
| 1168 | 55.5 | 9.4 | 168  | 7 | US-11-713-768-91545 | Sequence 91545, A | 1242 | 55.5 | 9.4 | 1746 | 7 | US-11-649-663A-2742  | Sequence 2742, Ap |
| 1169 | 55.5 | 9.4 | 168  | 7 | US-11-713-768-95301 | Sequence 95301, A | 1243 | 55.5 | 9.4 | 1771 | 7 | US-11-649-663A-928   | Sequence 928, App |
| 1170 | 55.5 | 9.4 | 183  | 6 | US-10-767-701-32134 | Sequence 32134, A | 1244 | 55.5 | 9.4 | 1773 | 7 | US-11-649-663A-2658  | Sequence 2658, Ap |
| 1171 | 55.5 | 9.4 | 184  | 6 | US-10-767-701-45523 | Sequence 45523, A | 1245 | 55.5 | 9.4 | 1779 | 7 | US-11-649-663A-2160  | Sequence 2160, Ap |
| 1172 | 55.5 | 9.4 | 264  | 7 | US-11-713-768-89430 | Sequence 89430, A | 1246 | 55.5 | 9.4 | 1794 | 7 | US-11-649-663A-2164  | Sequence 2164, Ap |
| 1173 | 55.5 | 9.4 | 264  | 7 | US-11-713-768-93186 | Sequence 93186, A | 1247 | 55.5 | 9.4 | 1824 | 7 | US-11-649-663A-1444  | Sequence 1444, Ap |
| 1174 | 55.5 | 9.4 | 439  | 7 | US-11-713-768-6544  | Sequence 6544, Ap | 1248 | 55.5 | 9.4 | 1847 | 7 | US-11-649-663A-1242  | Sequence 1242, Ap |
| 1175 | 55.5 | 9.4 | 470  | 7 | US-11-713-768-6543  | Sequence 6543, Ap | 1249 | 55.5 | 9.4 | 1855 | 7 | US-11-649-663A-2478  | Sequence 2478, Ap |
| 1176 | 55.5 | 9.4 | 505  | 7 | US-11-713-768-6542  | Sequence 6542, Ap | 1250 | 55.5 | 9.4 | 1864 | 7 | US-11-649-663A-794   | Sequence 794, App |
| 1177 | 55.5 | 9.4 | 558  | 7 | US-11-649-663A-174  | Sequence 174, App | 1251 | 55.5 | 9.4 | 1868 | 7 | US-11-649-663A-4320  | Sequence 4320, Ap |
| 1178 | 55.5 | 9.4 | 582  | 7 | US-11-649-663A-3088 | Sequence 3088, Ap | 1252 | 55.5 | 9.4 | 1942 | 7 | US-11-649-663A-1076  | Sequence 1076, Ap |
| 1179 | 55.5 | 9.4 | 684  | 7 | US-11-514-773-3     | Sequence 3, Appli | 1253 | 55.5 | 9.4 | 1973 | 7 | US-11-649-663A-1378  | Sequence 1378, Ap |
| 1181 | 55.5 | 9.4 | 685  | 7 | US-11-514-773-1     | Sequence 1, Appli | 1254 | 55.5 | 9.4 | 2013 | 7 | US-11-649-663A-1226  | Sequence 1226, Ap |
| 1182 | 55.5 | 9.4 | 685  | 7 | US-11-514-773-1     | Sequence 1, Appli | 1255 | 55.5 | 9.4 | 2228 | 7 | US-11-649-663A-920   | Sequence 920, App |
| 1183 | 55.5 | 9.4 | 685  | 7 | US-11-537-235-88    | Sequence 88, Appl | 1256 | 55.5 | 9.4 | 2499 | 7 | US-11-649-663A-268   | Sequence 268, App |
| 1184 | 55.5 | 9.4 | 685  | 7 | US-11-537-235-88    | Sequence 88, Appl | 1257 | 55   | 9.3 | 98   | 7 | US-11-360-355-168355 | Sequence 168355,  |
| 1185 | 55.5 | 9.4 | 863  | 7 | US-11-649-663A-2446 | Sequence 2446, Ap | 1258 | 55   | 9.3 | 98   | 7 | US-11-360-355-170437 | Sequence 170437,  |
| 1186 | 55.5 | 9.4 | 919  | 6 | US-10-481-700-2     | Sequence 2, Appli | 1259 | 55   | 9.3 | 136  | 7 | US-11-360-355-164877 | Sequence 164877,  |
| 1187 | 55.5 | 9.4 | 946  | 7 | US-11-676-042-2     | Sequence 1628, Ap | 1260 | 55   | 9.3 | 136  | 6 | US-10-767-701-60421  | Sequence 60421, A |
| 1188 | 55.5 | 9.4 | 963  | 7 | US-11-676-042-2     | Sequence 2, Appli | 1261 | 55   | 9.3 | 156  | 6 | US-10-438-246-6500   | Sequence 6500, Ap |
| 1189 | 55.5 | 9.4 | 1005 | 7 | US-11-649-663A-1158 | Sequence 1158, Ap | 1262 | 55   | 9.3 | 160  | 7 | US-11-360-355-134059 | Sequence 134059,  |
| 1190 | 55.5 | 9.4 | 1067 | 7 | US-11-649-663A-4898 | Sequence 4898, Ap | 1263 | 55   | 9.3 | 167  | 7 | US-11-360-355-155165 | Sequence 155165,  |
| 1191 | 55.5 | 9.4 | 1071 | 7 | US-11-649-663A-328  | Sequence 328, App | 1264 | 55   | 9.3 | 176  | 6 | US-10-438-246-16685  | Sequence 16685, A |
| 1192 | 55.5 | 9.4 | 1066 | 7 | US-11-649-663A-1402 | Sequence 1402, Ap | 1265 | 55   | 9.3 | 196  | 6 | US-10-767-701-40420  | Sequence 40420, A |
| 1193 | 55.5 | 9.4 | 1068 | 7 | US-11-649-663A-3134 | Sequence 3134, Ap | 1266 | 55   | 9.3 | 200  | 6 | US-10-438-246-6484   | Sequence 6484, Ap |
| 1194 | 55.5 | 9.4 | 1084 | 7 | US-11-649-663A-5106 | Sequence 5106, Ap | 1267 | 55   | 9.3 | 201  | 6 | US-10-438-246-6488   | Sequence 6488, Ap |
| 1195 | 55.5 | 9.4 | 1089 | 7 | US-11-649-663A-62   | Sequence 62, Appl | 1268 | 55   | 9.3 | 222  | 7 | US-11-552-437-48     | Sequence 48, Appl |
| 1196 | 55.5 | 9.4 | 1098 | 7 | US-11-649-663A-2414 | Sequence 2414, Ap | 1269 | 55   | 9.3 | 222  | 7 | US-11-552-437-48     | Sequence 48, Appl |
| 1197 | 55.5 | 9.4 | 1099 | 7 | US-11-649-663A-400  | Sequence 400, App | 1270 | 55   | 9.3 | 230  | 6 | US-10-438-246-24892  | Sequence 24892, A |
| 1198 | 55.5 | 9.4 | 1122 | 7 | US-11-649-663A-2524 | Sequence 2524, Ap | 1271 | 55   | 9.3 | 360  | 7 | US-11-360-355-157607 | Sequence 157607,  |
| 1199 | 55.5 | 9.4 | 1126 | 7 | US-11-649-663A-568  | Sequence 568, App | 1272 | 55   | 9.3 | 370  | 7 | US-11-787-713-37     | Sequence 37, Appl |
| 1200 | 55.5 | 9.4 | 1138 | 7 | US-11-649-663A-4462 | Sequence 4462, Ap | 1273 | 55   | 9.3 | 387  | 6 | US-10-438-246-16684  | Sequence 16684, A |
| 1201 | 55.5 | 9.4 | 1161 | 7 | US-11-649-663A-72   | Sequence 72, Appl | 1274 | 55   | 9.3 | 387  | 6 | US-10-438-246-24133  | Sequence 24133, A |
| 1202 | 55.5 | 9.4 | 1187 | 7 | US-11-649-663A-1142 | Sequence 1142, Ap | 1275 | 55   | 9.3 | 484  | 7 | US-11-713-768-91092  | Sequence 91092, A |
| 1203 | 55.5 | 9.4 | 1192 | 7 | US-11-649-663A-694  | Sequence 694, App | 1276 | 55   | 9.3 | 484  | 7 | US-11-713-768-94848  | Sequence 94848, A |
|      |      |     |      |   |                     |                   | 1277 | 55   | 9.3 | 485  | 7 | US-11-713-768-91091  | Sequence 91091, A |



|      |    |     |      |   |                      |                    |      |      |     |      |   |                      |                    |
|------|----|-----|------|---|----------------------|--------------------|------|------|-----|------|---|----------------------|--------------------|
| 1278 | 55 | 9.3 | 485  | 7 | US-11-713-768-94847  | Sequence 94847, A  | 1351 | 55   | 9.3 | 1475 | 7 | US-11-649-663A-1474  | Sequence 1474, Ap  |
| 1279 | 55 | 9.3 | 486  | 7 | US-11-713-768-91090  | Sequence 91090, A  | 1352 | 55   | 9.3 | 1479 | 7 | US-11-649-663A-460   | Sequence 460, App  |
| 1280 | 55 | 9.3 | 486  | 7 | US-11-713-768-94846  | Sequence 94846, A  | 1353 | 55   | 9.3 | 1481 | 7 | US-11-649-663A-878   | Sequence 878, App  |
| 1281 | 55 | 9.3 | 505  | 7 | US-11-649-663A-4872  | Sequence 4872, Ap  | 1354 | 55   | 9.3 | 1518 | 7 | US-11-714-684-212    | Sequence 212, App  |
| 1282 | 55 | 9.3 | 538  | 7 | US-11-370-191-8      | Sequence 8, Appl1  | 1355 | 55   | 9.3 | 1518 | 7 | US-11-714-684-212    | Sequence 212, App  |
| 1283 | 55 | 9.3 | 587  | 7 | US-11-713-768-43888  | Sequence 43888, A  | 1356 | 55   | 9.3 | 1535 | 7 | US-11-649-663A-572   | Sequence 572, App  |
| 1284 | 55 | 9.3 | 618  | 6 | US-10-529-351A-5433  | Sequence 5433, App | 1357 | 55   | 9.3 | 1535 | 7 | US-11-649-663A-2384  | Sequence 2384, Ap  |
| 1285 | 55 | 9.3 | 619  | 7 | US-11-649-663A-522   | Sequence 522, App  | 1358 | 55   | 9.3 | 1601 | 7 | US-11-649-663A-2364  | Sequence 2364, Ap  |
| 1286 | 55 | 9.3 | 794  | 7 | US-11-713-768-45043  | Sequence 45043, A  | 1359 | 55   | 9.3 | 1609 | 7 | US-11-625-272-146    | Sequence 146, App  |
| 1287 | 55 | 9.3 | 794  | 7 | US-11-713-768-45791  | Sequence 45791, A  | 1360 | 55   | 9.3 | 1623 | 7 | US-11-649-663A-1512  | Sequence 1512, Ap  |
| 1288 | 55 | 9.3 | 794  | 7 | US-11-713-768-46386  | Sequence 46386, A  | 1361 | 55   | 9.3 | 1626 | 6 | US-10-481-700-12     | Sequence 12, Appl1 |
| 1289 | 55 | 9.3 | 840  | 7 | US-11-649-663A-44    | Sequence 44, Appl1 | 1362 | 55   | 9.3 | 1633 | 7 | US-11-649-663A-2828  | Sequence 2828, Ap  |
| 1290 | 55 | 9.3 | 853  | 7 | US-11-713-768-45042  | Sequence 45042, A  | 1363 | 55   | 9.3 | 1633 | 7 | US-11-649-663A-1088  | Sequence 1088, Ap  |
| 1291 | 55 | 9.3 | 853  | 7 | US-11-713-768-45790  | Sequence 45790, A  | 1364 | 55   | 9.3 | 1633 | 7 | US-11-649-663A-2406  | Sequence 2406, Ap  |
| 1292 | 55 | 9.3 | 853  | 7 | US-11-713-768-46385  | Sequence 46385, A  | 1365 | 55   | 9.3 | 1633 | 7 | US-11-649-663A-3184  | Sequence 3184, Ap  |
| 1293 | 55 | 9.3 | 856  | 7 | US-11-713-768-45041  | Sequence 45041, A  | 1366 | 55   | 9.3 | 1668 | 6 | US-10-481-700-7      | Sequence 7, Appl1  |
| 1294 | 55 | 9.3 | 856  | 7 | US-11-713-768-46384  | Sequence 46384, A  | 1367 | 55   | 9.3 | 1670 | 7 | US-11-649-663A-1006  | Sequence 1006, Ap  |
| 1295 | 55 | 9.3 | 856  | 7 | US-11-713-768-46384  | Sequence 46384, A  | 1368 | 55   | 9.3 | 1675 | 7 | US-11-649-663A-658   | Sequence 658, App  |
| 1296 | 55 | 9.3 | 864  | 7 | US-11-649-663A-1674  | Sequence 1674, Ap  | 1369 | 55   | 9.3 | 1679 | 6 | US-10-481-700-11     | Sequence 11, Appl1 |
| 1297 | 55 | 9.3 | 893  | 7 | US-11-649-663A-1638  | Sequence 1638, Ap  | 1370 | 55   | 9.3 | 1696 | 7 | US-11-649-663A-1464  | Sequence 1464, Ap  |
| 1298 | 55 | 9.3 | 929  | 7 | US-11-360-355-120849 | Sequence 120849, A | 1371 | 55   | 9.3 | 1700 | 7 | US-11-649-663A-1010  | Sequence 1010, Ap  |
| 1299 | 55 | 9.3 | 962  | 7 | US-11-649-663A-922   | Sequence 922, App  | 1372 | 55   | 9.3 | 1701 | 7 | US-11-649-663A-2440  | Sequence 2440, Ap  |
| 1300 | 55 | 9.3 | 978  | 7 | US-11-649-663A-1692  | Sequence 1692, Ap  | 1373 | 55   | 9.3 | 1721 | 6 | US-10-481-700-10     | Sequence 10, Appl1 |
| 1301 | 55 | 9.3 | 1038 | 7 | US-11-633-858-230    | Sequence 230, App  | 1374 | 55   | 9.3 | 1721 | 7 | US-11-649-663A-3508  | Sequence 3508, Ap  |
| 1302 | 55 | 9.3 | 1063 | 7 | US-11-649-663A-2596  | Sequence 2596, Ap  | 1375 | 55   | 9.3 | 1721 | 7 | US-11-649-663A-1128  | Sequence 1128, Ap  |
| 1303 | 55 | 9.3 | 1065 | 7 | US-11-649-663A-344   | Sequence 344, App  | 1376 | 55   | 9.3 | 1766 | 7 | US-11-649-663A-2614  | Sequence 2614, Ap  |
| 1304 | 55 | 9.3 | 1067 | 7 | US-11-649-663A-1718  | Sequence 1718, Ap  | 1377 | 55   | 9.3 | 1783 | 7 | US-11-649-663A-1440  | Sequence 1440, Ap  |
| 1305 | 55 | 9.3 | 1067 | 7 | US-11-649-663A-2718  | Sequence 2718, Ap  | 1378 | 55   | 9.3 | 1883 | 7 | US-11-649-663A-1508  | Sequence 1508, Ap  |
| 1306 | 55 | 9.3 | 1073 | 7 | US-11-649-663A-1312  | Sequence 1312, Ap  | 1379 | 55   | 9.3 | 1916 | 7 | US-11-649-663A-1530  | Sequence 1530, Ap  |
| 1307 | 55 | 9.3 | 1089 | 7 | US-11-649-663A-1910  | Sequence 1910, Ap  | 1380 | 55   | 9.3 | 1938 | 7 | US-11-649-663A-996   | Sequence 996, App  |
| 1308 | 55 | 9.3 | 1097 | 7 | US-11-649-663A-496   | Sequence 496, App  | 1381 | 55   | 9.3 | 1990 | 7 | US-11-649-663A-862   | Sequence 862, App  |
| 1309 | 55 | 9.3 | 1105 | 7 | US-11-649-663A-1682  | Sequence 1682, Ap  | 1382 | 55   | 9.3 | 1997 | 7 | US-11-649-663A-4144  | Sequence 4144, Ap  |
| 1310 | 55 | 9.3 | 1109 | 7 | US-11-649-663A-1516  | Sequence 1516, Ap  | 1383 | 55   | 9.3 | 2175 | 7 | US-11-649-663A-2008  | Sequence 2008, Ap  |
| 1311 | 55 | 9.3 | 1116 | 7 | US-11-649-663A-2606  | Sequence 2606, Ap  | 1384 | 55   | 9.3 | 2175 | 7 | US-11-649-663A-1008  | Sequence 1008, Ap  |
| 1312 | 55 | 9.3 | 1125 | 7 | US-11-649-663A-2582  | Sequence 2582, Ap  | 1385 | 55   | 9.3 | 2262 | 7 | US-11-649-663A-2062  | Sequence 2062, Ap  |
| 1313 | 55 | 9.3 | 1126 | 7 | US-11-649-663A-2134  | Sequence 2134, Ap  | 1386 | 55   | 9.3 | 2268 | 7 | US-11-649-663A-2062  | Sequence 2062, Ap  |
| 1314 | 55 | 9.3 | 1129 | 7 | US-11-649-663A-332   | Sequence 332, App  | 1387 | 55   | 9.3 | 2369 | 7 | US-11-649-663A-4660  | Sequence 4660, Ap  |
| 1315 | 55 | 9.3 | 1134 | 7 | US-11-649-663A-2104  | Sequence 2104, Ap  | 1388 | 55   | 9.3 | 2416 | 7 | US-11-649-663A-4660  | Sequence 4660, Ap  |
| 1316 | 55 | 9.3 | 1134 | 7 | US-11-649-663A-2548  | Sequence 2548, Ap  | 1389 | 54.5 | 9.3 | 64   | 7 | US-11-689-173-10481  | Sequence 10481, A  |
| 1317 | 55 | 9.3 | 1143 | 7 | US-11-649-663A-492   | Sequence 492, App  | 1390 | 54.5 | 9.3 | 83   | 6 | US-10-767-701-33968  | Sequence 33968, A  |
| 1318 | 55 | 9.3 | 1157 | 7 | US-11-649-663A-348   | Sequence 348, App  | 1391 | 54.5 | 9.3 | 86   | 7 | US-11-689-173-7905   | Sequence 7905, Ap  |
| 1319 | 55 | 9.3 | 1161 | 7 | US-11-649-663A-2568  | Sequence 2568, Ap  | 1392 | 54.5 | 9.3 | 111  | 6 | US-10-767-701-39494  | Sequence 39494, A  |
| 1320 | 55 | 9.3 | 1164 | 7 | US-11-649-663A-338   | Sequence 338, App  | 1393 | 54.5 | 9.3 | 123  | 6 | US-11-360-355-152031 | Sequence 152031, A |
| 1321 | 55 | 9.3 | 1197 | 7 | US-11-649-663A-340   | Sequence 340, App  | 1394 | 54.5 | 9.3 | 123  | 6 | US-10-438-246-26350  | Sequence 26350, A  |
| 1322 | 55 | 9.3 | 1217 | 7 | US-11-649-663A-2612  | Sequence 2612, Ap  | 1395 | 54.5 | 9.3 | 161  | 6 | US-11-360-355-165806 | Sequence 165806, A |
| 1323 | 55 | 9.3 | 1218 | 7 | US-11-649-663A-498   | Sequence 498, App  | 1396 | 54.5 | 9.3 | 176  | 7 | US-11-360-355-165183 | Sequence 165183, A |
| 1324 | 55 | 9.3 | 1224 | 7 | US-11-649-663A-1958  | Sequence 1958, Ap  | 1397 | 54.5 | 9.3 | 196  | 7 | US-11-360-355-165183 | Sequence 165183, A |
| 1325 | 55 | 9.3 | 1252 | 7 | US-11-649-663A-806   | Sequence 806, App  | 1398 | 54.5 | 9.3 | 221  | 7 | US-11-360-355-135854 | Sequence 135854, A |
| 1326 | 55 | 9.3 | 1253 | 7 | US-11-649-663A-2590  | Sequence 2590, Ap  | 1399 | 54.5 | 9.3 | 227  | 7 | US-11-510-314-8      | Sequence 8, Appl1  |
| 1327 | 55 | 9.3 | 1254 | 7 | US-11-649-663A-840   | Sequence 840, App  | 1400 | 54.5 | 9.3 | 259  | 6 | US-10-551-004-45     | Sequence 45, Appl1 |
| 1328 | 55 | 9.3 | 1267 | 7 | US-11-649-663A-868   | Sequence 868, App  | 1401 | 54.5 | 9.3 | 259  | 7 | US-11-537-235-300    | Sequence 300, App  |
| 1329 | 55 | 9.3 | 1300 | 6 | US-10-481-700-13     | Sequence 13, Appl1 | 1402 | 54.5 | 9.3 | 259  | 7 | US-11-537-235-300    | Sequence 300, App  |
| 1330 | 55 | 9.3 | 1300 | 7 | US-11-649-663A-1250  | Sequence 1250, Ap  | 1403 | 54.5 | 9.3 | 305  | 7 | US-11-713-768-56489  | Sequence 56489, A  |
| 1331 | 55 | 9.3 | 1336 | 7 | US-11-649-663A-1036  | Sequence 1036, Ap  | 1404 | 54.5 | 9.3 | 356  | 7 | US-11-713-768-56488  | Sequence 56488, A  |
| 1332 | 55 | 9.3 | 1337 | 7 | US-11-649-663A-376   | Sequence 376, App  | 1405 | 54.5 | 9.3 | 371  | 7 | US-11-713-768-56487  | Sequence 56487, A  |
| 1333 | 55 | 9.3 | 1342 | 6 | US-10-481-700-15     | Sequence 15, Appl1 | 1406 | 54.5 | 9.3 | 384  | 7 | US-11-713-768-70547  | Sequence 70547, A  |
| 1334 | 55 | 9.3 | 1346 | 7 | US-11-649-663A-1146  | Sequence 1146, Ap  | 1407 | 54.5 | 9.3 | 384  | 7 | US-11-713-768-85617  | Sequence 85617, A  |
| 1335 | 55 | 9.3 | 1346 | 7 | US-11-649-663A-676   | Sequence 676, App  | 1408 | 54.5 | 9.3 | 469  | 7 | US-11-649-663A-1370  | Sequence 1370, Ap  |
| 1336 | 55 | 9.3 | 1353 | 6 | US-10-481-700-14     | Sequence 14, Appl1 | 1409 | 54.5 | 9.3 | 470  | 7 | US-11-713-768-70546  | Sequence 70546, A  |
| 1337 | 55 | 9.3 | 1363 | 7 | US-11-649-663A-4900  | Sequence 4900, Ap  | 1410 | 54.5 | 9.3 | 482  | 7 | US-11-713-768-70545  | Sequence 70545, A  |
| 1338 | 55 | 9.3 | 1403 | 7 | US-11-649-663A-448   | Sequence 448, App  | 1411 | 54.5 | 9.3 | 689  | 7 | US-11-649-663A-4500  | Sequence 4500, Ap  |
| 1339 | 55 | 9.3 | 1409 | 7 | US-11-649-663A-1732  | Sequence 1732, Ap  | 1412 | 54.5 | 9.3 | 711  | 7 | US-11-649-663A-1906  | Sequence 1906, Ap  |
| 1340 | 55 | 9.3 | 1413 | 7 | US-11-649-663A-936   | Sequence 936, App  | 1413 | 54.5 | 9.3 | 711  | 7 | US-11-649-663A-1906  | Sequence 1906, Ap  |
| 1341 | 55 | 9.3 | 1417 | 7 | US-11-649-663A-2496  | Sequence 2496, Ap  | 1414 | 54.5 | 9.3 | 879  | 7 | US-11-649-663A-1938  | Sequence 1938, Ap  |
| 1342 | 55 | 9.3 | 1418 | 7 | US-11-649-663A-404   | Sequence 404, App  | 1415 | 54.5 | 9.3 | 945  | 7 | US-11-649-663A-1700  | Sequence 1700, Ap  |
| 1343 | 55 | 9.3 | 1422 | 7 | US-11-649-663A-2326  | Sequence 2326, Ap  | 1416 | 54.5 | 9.3 | 948  | 7 | US-11-649-663A-1224  | Sequence 1224, Ap  |
| 1344 | 55 | 9.3 | 1424 | 7 | US-11-649-663A-2542  | Sequence 2542, Ap  | 1417 | 54.5 | 9.3 | 987  | 7 | US-11-649-663A-4710  | Sequence 4710, Ap  |
| 1345 | 55 | 9.3 | 1437 | 7 | US-11-649-663A-2388  | Sequence 2388, Ap  | 1418 | 54.5 | 9.3 | 1022 | 7 | US-11-649-663A-218   | Sequence 218, App  |
| 1346 | 55 | 9.3 | 1437 | 7 | US-11-649-663A-1084  | Sequence 1084, Ap  | 1419 | 54.5 | 9.3 | 1038 | 7 | US-10-438-246-33504  | Sequence 33504, A  |
| 1347 | 55 | 9.3 | 1442 | 7 | US-11-649-663A-2824  | Sequence 2824, Ap  | 1420 | 54.5 | 9.3 | 1053 | 6 | US-11-649-663A-1230  | Sequence 1230, A   |
| 1348 | 55 | 9.3 | 1461 | 7 | US-11-649-663A-1456  | Sequence 1456, Ap  | 1421 | 54.5 | 9.3 | 1065 | 7 | US-11-649-663A-118   | Sequence 118, App  |
| 1349 | 55 | 9.3 | 1469 | 7 | US-11-649-663A-1456  | Sequence 1456, Ap  | 1422 | 54.5 | 9.3 | 1077 | 7 | US-11-649-663A-1930  | Sequence 1930, Ap  |
| 1350 | 55 | 9.3 | 1473 | 7 | US-11-649-663A-1486  | Sequence 1486, Ap  | 1423 | 54.5 | 9.3 |      |   |                      |                    |

| Sequence 5782, A                              | Sequence 63, App1   | Sequence 1221, A | Sequence 18310, A |
|-----------------------------------------------|---------------------|------------------|-------------------|
| 1497                                          | 54                  | 9.2              | 132               |
| 1498                                          | 54                  | 9.2              | 132               |
| 1499                                          | 54                  | 9.2              | 132               |
| 1500                                          | 54                  | 9.2              | 147               |
| Search completed: November 29, 2007, 17:25:23 |                     |                  |                   |
| Job time : 15.1937 secs                       |                     |                  |                   |
| Sequence 4648, Ap                             | US-10-529-351A-5782 | 6                | 132               |
| Sequence 2268, Ap                             | US-11-699-229-63    | 7                | 132               |
| Sequence 884, App                             | US-11-403-116-1221  | 7                | 132               |
| Sequence 142, App                             | US-10-438-246-18310 | 6                | 147               |
| Sequence 2166, Ap                             |                     |                  |                   |
| Sequence 2420, Ap                             |                     |                  |                   |
| Sequence 392, App                             |                     |                  |                   |
| Sequence 2186, Ap                             |                     |                  |                   |
| Sequence 686, App                             |                     |                  |                   |
| Sequence 1760, Ap                             |                     |                  |                   |
| Sequence 1254, Ap                             |                     |                  |                   |
| Sequence 2708, Ap                             |                     |                  |                   |
| Sequence 532, App                             |                     |                  |                   |
| Sequence 2820, Ap                             |                     |                  |                   |
| Sequence 2882, Ap                             |                     |                  |                   |
| Sequence 2284, Ap                             |                     |                  |                   |
| Sequence 2042, Ap                             |                     |                  |                   |
| Sequence 1954, Ap                             |                     |                  |                   |
| Sequence 538, App                             |                     |                  |                   |
| Sequence 1060, Ap                             |                     |                  |                   |
| Sequence 982, App                             |                     |                  |                   |
| Sequence 1012, Ap                             |                     |                  |                   |
| Sequence 2578, Ap                             |                     |                  |                   |
| Sequence 1650, Ap                             |                     |                  |                   |
| Sequence 368, App                             |                     |                  |                   |
| Sequence 2594, Ap                             |                     |                  |                   |
| Sequence 3986, Ap                             |                     |                  |                   |
| Sequence 5052, Ap                             |                     |                  |                   |
| Sequence 1648, Ap                             |                     |                  |                   |
| Sequence 616, App                             |                     |                  |                   |
| Sequence 2432, Ap                             |                     |                  |                   |
| Sequence 2374, Ap                             |                     |                  |                   |
| Sequence 2180, Ap                             |                     |                  |                   |
| Sequence 1800, Ap                             |                     |                  |                   |
| Sequence 4530, Ap                             |                     |                  |                   |
| Sequence 2476, Ap                             |                     |                  |                   |
| Sequence 484, App                             |                     |                  |                   |
| Sequence 620, App                             |                     |                  |                   |
| Sequence 682, App                             |                     |                  |                   |
| Sequence 2212, Ap                             |                     |                  |                   |
| Sequence 1104, Ap                             |                     |                  |                   |
| Sequence 1152, Ap                             |                     |                  |                   |
| Sequence 3342, Ap                             |                     |                  |                   |
| Sequence 19207, A                             |                     |                  |                   |
| Sequence 554, App                             |                     |                  |                   |
| Sequence 942, App                             |                     |                  |                   |
| Sequence 1306, Ap                             |                     |                  |                   |
| Sequence 1882, Ap                             |                     |                  |                   |
| Sequence 19228, A                             |                     |                  |                   |
| Sequence 25826, A                             |                     |                  |                   |
| Sequence 1034, Ap                             |                     |                  |                   |
| Sequence 5428, Ap                             |                     |                  |                   |
| Sequence 2454, Ap                             |                     |                  |                   |
| Sequence 1346, Ap                             |                     |                  |                   |
| Sequence 2230, Ap                             |                     |                  |                   |
| Sequence 2738, Ap                             |                     |                  |                   |
| Sequence 2822, Ap                             |                     |                  |                   |
| Sequence 2678, Ap                             |                     |                  |                   |
| Sequence 2000, Ap                             |                     |                  |                   |
| Sequence 224, App                             |                     |                  |                   |
| Sequence 225, App                             |                     |                  |                   |
| Sequence 235, App                             |                     |                  |                   |
| Sequence 182, App                             |                     |                  |                   |
| Sequence 206, App                             |                     |                  |                   |
| Sequence 1552, Ap                             |                     |                  |                   |
| Sequence 309, App                             |                     |                  |                   |
| Sequence 57968, A                             |                     |                  |                   |
| Sequence 51814, A                             |                     |                  |                   |
| Sequence 11222, A                             |                     |                  |                   |
| Sequence 11223, A                             |                     |                  |                   |
| Sequence 11224, A                             |                     |                  |                   |

GenCore version 6.2.1  
Copyright (c) 1993 - 2007 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: November 29, 2007, 17:21:19 , Search time 85 Seconds  
(without alignments)  
1014.355 Million cell updates/sec

Title: US-10-692-299-2

Perfect score: 589

Sequence: 1 MRGATRVSIMLLLVTSVSDCA.....CSRPFDRGRYRCSMDLKNINP 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 3552611 seqs, 817857308 residues

Total number of hits satisfying chosen parameters: 3552611

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database :

- 1: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 3: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 4: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 5: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 6: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US11\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description       |
|------------|-------|-------------|--------|----|-------------------|
| 14         | 589   | 100.0       | 105    | 3  | US-09-886-242A-2  |
| 16         | 589   | 100.0       | 105    | 3  | US-09-965-528-11  |
| 29         | 589   | 100.0       | 105    | 3  | US-09-997-428-371 |
| 33         | 589   | 100.0       | 105    | 3  | US-09-796-753-64  |
| 75         | 589   | 100.0       | 105    | 3  | US-09-969-984-11  |
| 76         | 589   | 100.0       | 105    | 4  | US-10-016-481-2   |
| 77         | 589   | 100.0       | 105    | 4  | US-10-027-603-2   |
| 99         | 589   | 100.0       | 105    | 4  | US-10-132-812-16  |
| 258        | 589   | 100.0       | 105    | 4  | US-10-223-085-17  |
| 264        | 589   | 100.0       | 105    | 4  | US-10-219-065-166 |
| 292        | 589   | 100.0       | 105    | 4  | US-10-223-084-172 |
| 293        | 589   | 100.0       | 105    | 4  | US-10-223-088-172 |
| 294        | 589   | 100.0       | 105    | 4  | US-10-223-090-172 |
| 299        | 589   | 100.0       | 105    | 4  | US-10-212-355-5   |
| 300        | 589   | 100.0       | 105    | 4  | US-10-223-087-172 |
| 301        | 589   | 100.0       | 105    | 4  | US-10-323-157-2   |
| 303        | 589   | 100.0       | 105    | 4  | US-10-223-083-172 |
| 306        | 589   | 100.0       | 105    | 4  | US-10-223-089-172 |
| 355        | 589   | 100.0       | 105    | 4  | US-10-212-201-5   |
| 466        | 589   | 100.0       | 105    | 4  | US-10-223-081-172 |
| 500        | 589   | 100.0       | 105    | 4  | US-10-223-082-172 |
| 611        | 589   | 100.0       | 105    | 4  | US-10-305-654-172 |
| 622        | 589   | 100.0       | 105    | 4  | US-10-081-056-172 |
| 628        | 589   | 100.0       | 105    | 4  | US-10-333-152-23  |
| 631        | 589   | 100.0       | 105    | 4  | US-10-680-755A-5  |
| 632        | 589   | 100.0       | 105    | 4  | US-10-680-800A-5  |
| 640        | 589   | 100.0       | 105    | 5  | US-10-713-567-2   |

|     |     |       |     |   |                       |                                   |
|-----|-----|-------|-----|---|-----------------------|-----------------------------------|
| 644 | 589 | 100.0 | 105 | 5 | US-10-931-886-470     | Sequence 470, App                 |
| 645 | 589 | 100.0 | 105 | 5 | US-10-811-328-2       | Sequence 2, Appli                 |
| 646 | 589 | 100.0 | 105 | 5 | US-10-912-907-2       | Sequence 2, Appli                 |
| 647 | 589 | 100.0 | 105 | 5 | US-10-692-299-2       | Sequence 2, Appli                 |
| 648 | 589 | 100.0 | 105 | 5 | US-10-415-724-2       | Sequence 2, Appli                 |
| 650 | 589 | 100.0 | 105 | 5 | US-10-977-113-31      | Sequence 31, Appli                |
| 651 | 589 | 100.0 | 105 | 5 | US-10-990-246-5       | Sequence 5, Appli                 |
| 652 | 589 | 100.0 | 105 | 5 | US-10-955-952-470     | Sequence 470, App                 |
| 653 | 589 | 100.0 | 105 | 5 | US-10-503-554A-84     | Sequence 84, Appl                 |
| 654 | 589 | 100.0 | 105 | 5 | US-10-950-374-371     | Sequence 371, App                 |
| 655 | 589 | 100.0 | 105 | 5 | US-10-982-168-5       | Sequence 5, Appli                 |
| 657 | 589 | 100.0 | 105 | 5 | US-10-973-115B-470    | Sequence 470, App                 |
| 663 | 589 | 100.0 | 105 | 5 | US-10-504-588-4       | Sequence 4, Appli                 |
| 666 | 589 | 100.0 | 105 | 5 | US-10-415-724-2       | Sequence 2, Appli                 |
| 667 | 589 | 100.0 | 105 | 5 | US-10-549-241-8       | Sequence 8, Appli                 |
| 669 | 589 | 100.0 | 105 | 5 | US-10-964-241-470     | Sequence 470, App                 |
| 670 | 589 | 100.0 | 105 | 6 | US-11-052-721-2       | Sequence 2, Appli                 |
| 671 | 589 | 100.0 | 105 | 6 | US-11-290-153-470     | Sequence 470, App                 |
| 672 | 589 | 100.0 | 105 | 6 | US-11-304-129-23      | Sequence 23, Appl                 |
| 673 | 589 | 100.0 | 105 | 6 | US-11-265-762-64      | Sequence 64, Appl                 |
| 674 | 589 | 100.0 | 105 | 6 | US-11-549-232-5       | Sequence 5, Appli                 |
| 675 | 589 | 100.0 | 105 | 6 | US-11-549-227-5       | Sequence 5, Appli                 |
| 676 | 589 | 100.0 | 105 | 6 | US-11-548-814-5       | Sequence 5, Appli                 |
| 677 | 589 | 100.0 | 105 | 6 | US-11-550-982-5       | Sequence 5, Appli                 |
| 678 | 589 | 100.0 | 105 | 6 | US-11-549-237-5       | Sequence 5, Appli                 |
| 679 | 589 | 100.0 | 105 | 6 | US-11-548-805-5       | Sequence 5, Appli                 |
| 680 | 589 | 100.0 | 105 | 6 | US-11-550-993-5       | Sequence 5, Appli                 |
| 681 | 589 | 100.0 | 105 | 6 | US-11-551-002-5       | Sequence 5, Appli                 |
| 682 | 589 | 100.0 | 105 | 6 | US-11-548-810-5       | Sequence 5, Appli                 |
| 683 | 589 | 100.0 | 105 | 6 | US-11-548-819-5       | Sequence 5, Appli                 |
| 684 | 589 | 100.0 | 105 | 6 | US-11-548-824-5       | Sequence 5, Appli                 |
| 685 | 589 | 100.0 | 105 | 6 | US-11-529-695-2       | Sequence 2, Appli                 |
| 686 | 589 | 100.0 | 105 | 6 | US-11-548-830-5       | Sequence 5, Appli                 |
| 687 | 589 | 100.0 | 105 | 6 | US-11-443-428A-862623 | Sequence 862623, Sequence 862624, |
| 688 | 589 | 100.0 | 105 | 6 | US-11-443-428A-862624 | Sequence 862625, Sequence 862626, |
| 689 | 589 | 100.0 | 105 | 6 | US-11-443-428A-862625 | Sequence 5, Appli                 |
| 690 | 589 | 100.0 | 105 | 6 | US-11-548-826-5       | Sequence 5, Appli                 |
| 692 | 589 | 100.0 | 105 | 6 | US-11-551-008-5       | Sequence 2, Appli                 |
| 693 | 589 | 100.0 | 105 | 6 | US-11-537-382-2       | Sequence 2, Appli                 |
| 694 | 589 | 100.0 | 105 | 6 | US-11-549-241-5       | Sequence 5, Appli                 |
| 695 | 589 | 100.0 | 105 | 6 | US-10-132-812-18      | Sequence 18, Appl                 |
| 696 | 588 | 99.8  | 105 | 4 | US-10-333-192-22      | Sequence 22, Appl                 |
| 697 | 588 | 99.8  | 105 | 4 | US-10-467-554-3       | Sequence 3, Appli                 |
| 698 | 588 | 99.8  | 105 | 5 | US-10-503-554A-83     | Sequence 83, Appl                 |
| 699 | 588 | 99.8  | 105 | 5 | US-10-475-075-134     | Sequence 134, App                 |
| 700 | 588 | 99.8  | 105 | 6 | US-11-304-129-22      | Sequence 22, Appl                 |
| 701 | 588 | 99.8  | 105 | 6 | US-11-371-354-56695   | Sequence 56695, A                 |
| 702 | 588 | 99.8  | 105 | 6 | US-11-371-354-76648   | Sequence 76648, A                 |
| 703 | 588 | 99.8  | 105 | 6 | US-11-218-141-1728    | Sequence 1728, Ap                 |
| 704 | 588 | 99.8  | 105 | 6 | US-10-475-075-133     | Sequence 133, App                 |
| 705 | 582 | 98.8  | 105 | 5 | US-10-475-075-133     | Sequence 1728, App                |
| 706 | 582 | 98.8  | 105 | 5 | US-10-475-075-133     | Sequence 477, App                 |
| 707 | 580 | 98.5  | 105 | 6 | US-11-073-420-31      | Sequence 31, Appl                 |
| 708 | 577 | 98.0  | 105 | 5 | US-10-664-025-5350    | Sequence 5350, Ap                 |
| 709 | 572 | 97.1  | 105 | 5 | US-10-977-113-30      | Sequence 30, Appl                 |
| 710 | 572 | 97.1  | 105 | 6 | US-11-073-420-28      | Sequence 28, Appl                 |
| 711 | 545 | 92.5  | 105 | 4 | US-10-470-951-31      | Sequence 31, Appl                 |
| 712 | 545 | 92.5  | 105 | 4 | US-10-362-504-43      | Sequence 43, Appl                 |
| 713 | 545 | 92.5  | 105 | 5 | US-10-503-554A-132    | Sequence 132, App                 |
| 714 | 541 | 91.9  | 105 | 4 | US-10-470-951-35      | Sequence 35, Appl                 |
| 715 | 541 | 91.9  | 105 | 4 | US-10-362-504-47      | Sequence 47, Appl                 |
| 716 | 541 | 91.9  | 105 | 5 | US-10-503-554A-136    | Sequence 136, App                 |
| 717 | 539 | 91.5  | 105 | 4 | US-10-470-951-33      | Sequence 33, Appl                 |
| 718 | 539 | 91.5  | 105 | 4 | US-10-362-504-45      | Sequence 45, Appl                 |
| 719 | 539 | 91.5  | 105 | 5 | US-10-503-554A-134    | Sequence 134, App                 |
| 720 | 521 | 88.5  | 105 | 5 | US-10-470-951-6       | Sequence 6, Appli                 |
| 721 | 521 | 88.5  | 105 | 5 | US-10-503-554A-107    | Sequence 107, App                 |
| 722 | 521 | 88.5  | 105 | 5 | US-10-543-241-10      | Sequence 10, Appl                 |
| 723 | 498 | 84.6  | 86  | 4 | US-10-016-481-3       | Sequence 3, Appli                 |
| 724 | 498 | 84.6  | 86  | 4 | US-10-323-157-3       | Sequence 3, Appli                 |
| 725 | 498 | 84.6  | 86  | 4 | US-10-417-426-9       | Sequence 9, Appli                 |
| 726 | 498 | 84.6  | 86  | 4 | US-10-333-192-21      | Sequence 21, Appl                 |

|     |     |      |    |   |                    |                   |     |       |      |     |   |                    |                   |
|-----|-----|------|----|---|--------------------|-------------------|-----|-------|------|-----|---|--------------------|-------------------|
| 727 | 498 | 84.6 | 86 | 5 | US-10-680-554-5    | Sequence 5, Appli | 800 | 455   | 77.2 | 86  | 5 | US-10-713-567-28   | Sequence 28, Appl |
| 728 | 498 | 84.6 | 86 | 5 | US-10-713-567-3    | Sequence 3, Appli | 801 | 455   | 77.2 | 86  | 5 | US-10-811-328-28   | Sequence 28, Appl |
| 729 | 498 | 84.6 | 86 | 5 | US-10-811-328-3    | Sequence 3, Appli | 802 | 455   | 77.2 | 86  | 5 | US-10-977-113-12   | Sequence 12, Appl |
| 730 | 498 | 84.6 | 86 | 5 | US-10-912-907-3    | Sequence 3, Appli | 803 | 455   | 77.2 | 86  | 5 | US-10-871-152-23   | Sequence 23, Appl |
| 731 | 498 | 84.6 | 86 | 5 | US-10-415-724-3    | Sequence 3, Appli | 804 | 455   | 77.2 | 86  | 5 | US-10-503-554A-109 | Sequence 109, App |
| 732 | 498 | 84.6 | 86 | 5 | US-10-871-152-22   | Sequence 22, Appl | 805 | 455   | 77.2 | 86  | 6 | US-11-073-420-12   | Sequence 12, Appl |
| 733 | 498 | 84.6 | 86 | 5 | US-10-503-554A-82  | Sequence 82, Appl | 806 | 455   | 77.2 | 86  | 6 | US-11-048-649-10   | Sequence 10, Appl |
| 734 | 498 | 84.6 | 86 | 5 | US-10-343-095A-117 | Sequence 117, App | 807 | 455   | 77.2 | 86  | 6 | US-11-529-695-28   | Sequence 28, Appl |
| 735 | 498 | 84.6 | 86 | 5 | US-10-415-724-3    | Sequence 3, Appli | 808 | 452   | 76.7 | 81  | 5 | US-10-631-441-2421 | Sequence 2421, Ap |
| 736 | 498 | 84.6 | 86 | 5 | US-10-542-664-1    | Sequence 1, Appli | 809 | 413   | 70.1 | 86  | 4 | US-10-016-481-14   | Sequence 14, Appl |
| 737 | 498 | 84.6 | 86 | 5 | US-10-576-066-2    | Sequence 2, Appli | 810 | 413   | 70.1 | 86  | 4 | US-10-323-157-14   | Sequence 14, Appl |
| 738 | 498 | 84.6 | 86 | 6 | US-11-073-420-11   | Sequence 11, Appl | 811 | 413   | 70.1 | 86  | 4 | US-10-417-426-21   | Sequence 21, Appl |
| 739 | 498 | 84.6 | 86 | 6 | US-11-304-129-21   | Sequence 21, Appl | 812 | 413   | 70.1 | 86  | 5 | US-10-680-554-16   | Sequence 16, Appl |
| 740 | 498 | 84.6 | 86 | 6 | US-11-048-649-9    | Sequence 9, Appli | 813 | 413   | 70.1 | 86  | 5 | US-10-713-567-14   | Sequence 14, Appl |
| 741 | 498 | 84.6 | 86 | 6 | US-11-384-222-7    | Sequence 7, Appli | 814 | 413   | 70.1 | 86  | 5 | US-10-811-328-14   | Sequence 14, Appl |
| 742 | 498 | 84.6 | 86 | 6 | US-11-529-695-3    | Sequence 3, Appli | 815 | 413   | 70.1 | 86  | 5 | US-10-912-907-14   | Sequence 14, Appl |
| 743 | 498 | 84.6 | 87 | 4 | US-10-016-481-18   | Sequence 18, Appl | 816 | 413   | 70.1 | 86  | 5 | US-10-415-724-14   | Sequence 14, Appl |
| 744 | 498 | 84.6 | 87 | 4 | US-10-323-157-18   | Sequence 18, Appl | 817 | 413   | 70.1 | 86  | 5 | US-10-977-113-17   | Sequence 17, Appl |
| 745 | 498 | 84.6 | 87 | 5 | US-10-713-567-18   | Sequence 18, Appl | 818 | 413   | 70.1 | 86  | 5 | US-10-871-152-28   | Sequence 28, Appl |
| 746 | 498 | 84.6 | 87 | 5 | US-10-811-328-18   | Sequence 18, Appl | 819 | 413   | 70.1 | 86  | 5 | US-10-415-724-14   | Sequence 14, Appl |
| 747 | 498 | 84.6 | 87 | 5 | US-10-912-907-18   | Sequence 18, Appl | 820 | 413   | 70.1 | 86  | 6 | US-11-073-420-17   | Sequence 17, Appl |
| 748 | 498 | 84.6 | 87 | 5 | US-10-415-724-18   | Sequence 18, Appl | 821 | 413   | 70.1 | 86  | 6 | US-11-048-649-21   | Sequence 21, Appl |
| 749 | 498 | 84.6 | 87 | 5 | US-10-415-724-18   | Sequence 18, Appl | 822 | 413   | 70.1 | 86  | 6 | US-11-529-695-14   | Sequence 14, Appl |
| 750 | 498 | 84.6 | 87 | 6 | US-11-529-695-18   | Sequence 18, Appl | 823 | 376   | 63.8 | 81  | 4 | US-10-016-481-13   | Sequence 13, Appl |
| 751 | 498 | 84.6 | 89 | 4 | US-10-016-481-15   | Sequence 15, Appl | 824 | 376   | 63.8 | 81  | 4 | US-10-323-157-13   | Sequence 13, Appl |
| 752 | 498 | 84.6 | 89 | 4 | US-10-323-157-15   | Sequence 15, Appl | 825 | 376   | 63.8 | 81  | 4 | US-10-417-426-20   | Sequence 20, Appl |
| 753 | 498 | 84.6 | 89 | 5 | US-10-713-567-15   | Sequence 15, Appl | 826 | 376   | 63.8 | 81  | 5 | US-10-680-554-15   | Sequence 15, Appl |
| 754 | 498 | 84.6 | 89 | 5 | US-10-811-328-15   | Sequence 15, Appl | 827 | 376   | 63.8 | 81  | 5 | US-10-713-567-13   | Sequence 13, Appl |
| 755 | 498 | 84.6 | 89 | 5 | US-10-912-907-15   | Sequence 15, Appl | 828 | 376   | 63.8 | 81  | 5 | US-10-811-328-13   | Sequence 13, Appl |
| 756 | 498 | 84.6 | 89 | 5 | US-10-415-724-15   | Sequence 15, Appl | 829 | 376   | 63.8 | 81  | 5 | US-10-912-907-13   | Sequence 13, Appl |
| 757 | 498 | 84.6 | 89 | 5 | US-10-415-724-15   | Sequence 15, Appl | 830 | 376   | 63.8 | 81  | 5 | US-10-415-724-13   | Sequence 13, Appl |
| 758 | 498 | 84.6 | 89 | 6 | US-11-529-695-15   | Sequence 15, Appl | 831 | 376   | 63.8 | 81  | 5 | US-10-977-113-16   | Sequence 16, Appl |
| 759 | 497 | 84.4 | 86 | 4 | US-10-333-132-20   | Sequence 20, Appl | 832 | 376   | 63.8 | 81  | 5 | US-10-871-152-27   | Sequence 27, Appl |
| 760 | 497 | 84.4 | 86 | 5 | US-10-503-554A-81  | Sequence 81, Appl | 833 | 376   | 63.8 | 81  | 6 | US-10-415-724-13   | Sequence 13, Appl |
| 761 | 497 | 84.4 | 86 | 5 | US-10-542-664-2    | Sequence 2, Appli | 834 | 376   | 63.8 | 81  | 6 | US-11-073-420-16   | Sequence 16, Appl |
| 762 | 497 | 84.4 | 86 | 5 | US-10-576-066-3    | Sequence 3, Appli | 835 | 376   | 63.8 | 81  | 6 | US-11-048-649-20   | Sequence 20, Appl |
| 763 | 497 | 84.4 | 86 | 5 | US-11-304-129-20   | Sequence 20, Appl | 836 | 376   | 63.8 | 81  | 6 | US-11-529-695-13   | Sequence 13, Appl |
| 764 | 494 | 83.9 | 85 | 4 | US-10-016-481-16   | Sequence 16, Appl | 837 | 315   | 53.5 | 80  | 4 | US-10-417-426-13   | Sequence 13, Appl |
| 765 | 494 | 83.9 | 85 | 4 | US-10-323-157-16   | Sequence 16, Appl | 838 | 315   | 53.5 | 80  | 4 | US-10-467-019-21   | Sequence 21, Appl |
| 766 | 494 | 83.9 | 85 | 5 | US-10-713-567-16   | Sequence 16, Appl | 839 | 315   | 53.5 | 80  | 4 | US-10-470-951-64   | Sequence 64, Appl |
| 767 | 494 | 83.9 | 85 | 5 | US-10-811-328-16   | Sequence 16, Appl | 840 | 315   | 53.5 | 80  | 4 | US-10-333-132-34   | Sequence 34, Appl |
| 768 | 494 | 83.9 | 85 | 5 | US-10-912-907-16   | Sequence 16, Appl | 841 | 315   | 53.5 | 80  | 5 | US-10-977-113-15   | Sequence 15, Appl |
| 769 | 494 | 83.9 | 85 | 5 | US-10-415-724-16   | Sequence 16, Appl | 842 | 315   | 53.5 | 80  | 5 | US-10-871-152-26   | Sequence 26, Appl |
| 770 | 494 | 83.9 | 85 | 5 | US-10-415-724-16   | Sequence 16, Appl | 843 | 315   | 53.5 | 80  | 5 | US-10-503-554A-21  | Sequence 21, Appl |
| 771 | 494 | 83.9 | 85 | 6 | US-11-529-695-16   | Sequence 16, Appl | 844 | 315   | 53.5 | 80  | 6 | US-11-073-420-15   | Sequence 15, Appl |
| 772 | 494 | 83.9 | 86 | 5 | US-10-713-567-20   | Sequence 20, Appl | 845 | 315   | 53.5 | 80  | 6 | US-11-073-420-34   | Sequence 34, Appl |
| 773 | 494 | 83.9 | 86 | 5 | US-10-811-328-20   | Sequence 20, Appl | 846 | 315   | 53.5 | 80  | 6 | US-11-304-129-13   | Sequence 13, Appl |
| 774 | 494 | 83.9 | 86 | 6 | US-11-529-695-20   | Sequence 20, Appl | 847 | 311.5 | 52.9 | 79  | 3 | US-09-886-242A-5   | Sequence 5, Appli |
| 775 | 478 | 81.2 | 86 | 4 | US-10-016-481-17   | Sequence 17, Appl | 848 | 311.5 | 52.9 | 79  | 4 | US-10-027-603-5    | Sequence 5, Appli |
| 776 | 478 | 81.2 | 86 | 4 | US-10-323-157-17   | Sequence 17, Appl | 849 | 311.5 | 52.9 | 79  | 5 | US-10-692-299-5    | Sequence 5, Appli |
| 777 | 478 | 81.2 | 86 | 5 | US-10-713-567-17   | Sequence 17, Appl | 850 | 311.5 | 52.9 | 79  | 6 | US-11-537-382-5    | Sequence 12, Appl |
| 778 | 478 | 81.2 | 86 | 5 | US-10-811-328-17   | Sequence 17, Appl | 851 | 310.5 | 52.7 | 81  | 4 | US-10-016-481-12   | Sequence 12, Appl |
| 779 | 478 | 81.2 | 86 | 5 | US-10-912-907-17   | Sequence 17, Appl | 852 | 310.5 | 52.7 | 81  | 4 | US-10-132-812-19   | Sequence 19, Appl |
| 780 | 478 | 81.2 | 86 | 5 | US-10-415-724-17   | Sequence 17, Appl | 853 | 310.5 | 52.7 | 81  | 4 | US-10-323-157-12   | Sequence 12, Appl |
| 781 | 478 | 81.2 | 86 | 5 | US-10-415-724-17   | Sequence 17, Appl | 854 | 310.5 | 52.7 | 81  | 5 | US-10-680-554-12   | Sequence 12, Appl |
| 782 | 478 | 81.2 | 86 | 6 | US-10-415-724-17   | Sequence 17, Appl | 855 | 310.5 | 52.7 | 81  | 5 | US-10-713-567-12   | Sequence 12, Appl |
| 783 | 478 | 81.2 | 86 | 6 | US-11-529-695-17   | Sequence 17, Appl | 856 | 310.5 | 52.7 | 81  | 5 | US-10-811-328-12   | Sequence 12, Appl |
| 784 | 476 | 80.8 | 82 | 5 | US-10-977-113-11   | Sequence 11, Appl | 857 | 310.5 | 52.7 | 81  | 5 | US-10-912-907-12   | Sequence 12, Appl |
| 785 | 473 | 80.3 | 86 | 4 | US-10-470-951-37   | Sequence 37, Appl | 858 | 310.5 | 52.7 | 81  | 5 | US-10-415-724-12   | Sequence 12, Appl |
| 786 | 473 | 80.3 | 86 | 4 | US-10-362-504-49   | Sequence 49, Appl | 859 | 310.5 | 52.7 | 81  | 5 | US-10-415-724-12   | Sequence 12, Appl |
| 787 | 473 | 80.3 | 86 | 5 | US-10-680-554-10   | Sequence 10, Appl | 860 | 310.5 | 52.7 | 81  | 6 | US-11-529-695-12   | Sequence 12, Appl |
| 788 | 473 | 80.3 | 86 | 5 | US-10-713-567-30   | Sequence 30, Appl | 861 | 306   | 52.0 | 100 | 3 | US-09-886-242A-4   | Sequence 4, Appli |
| 789 | 473 | 80.3 | 86 | 5 | US-10-811-328-30   | Sequence 30, Appl | 862 | 306   | 52.0 | 100 | 4 | US-10-027-603-4    | Sequence 4, Appli |
| 790 | 473 | 80.3 | 86 | 6 | US-10-503-554A-138 | Sequence 138, App | 863 | 306   | 52.0 | 100 | 5 | US-10-692-299-4    | Sequence 4, Appli |
| 791 | 469 | 79.6 | 86 | 4 | US-11-529-695-30   | Sequence 30, Appl | 864 | 306   | 52.0 | 100 | 6 | US-11-537-382-4    | Sequence 5, Appli |
| 792 | 469 | 79.6 | 86 | 4 | US-10-470-951-41   | Sequence 41, Appl | 865 | 303   | 51.4 | 108 | 4 | US-10-016-481-5    | Sequence 2, Appli |
| 793 | 469 | 79.6 | 86 | 4 | US-10-362-504-53   | Sequence 53, Appl | 866 | 303   | 51.4 | 108 | 4 | US-10-231-411-4    | Sequence 4, Appli |
| 794 | 467 | 79.3 | 86 | 4 | US-10-503-554A-142 | Sequence 142, App | 867 | 303   | 51.4 | 108 | 4 | US-10-212-355-2    | Sequence 2, Appli |
| 795 | 467 | 79.3 | 86 | 4 | US-10-470-951-39   | Sequence 39, Appl | 868 | 303   | 51.4 | 108 | 4 | US-10-323-137-5    | Sequence 5, Appli |
| 796 | 467 | 79.3 | 86 | 4 | US-10-362-504-51   | Sequence 51, Appl | 869 | 303   | 51.4 | 108 | 4 | US-10-212-201-2    | Sequence 2, Appli |
| 797 | 455 | 77.2 | 86 | 5 | US-10-503-554A-140 | Sequence 140, App | 870 | 303   | 51.4 | 108 | 4 | US-10-467-019-17   | Sequence 17, Appl |
| 798 | 455 | 77.2 | 86 | 4 | US-10-417-426-10   | Sequence 10, Appl | 871 | 303   | 51.4 | 108 | 4 | US-10-680-755A-2   | Sequence 2, Appli |
| 799 | 455 | 77.2 | 86 | 5 | US-10-470-951-8    | Sequence 8, Appli | 872 | 303   | 51.4 | 108 | 4 | US-10-680-800A-2   | Sequence 2, Appli |

|     |     |      |     |   |                       |                   |      |       |      |     |   |                       |                   |
|-----|-----|------|-----|---|-----------------------|-------------------|------|-------|------|-----|---|-----------------------|-------------------|
| 873 | 303 | 51.4 | 108 | 5 | US-10-713-567-5       | Sequence 5, Appli | 946  | 291   | 49.4 | 81  | 6 | US-11-529-695-6       | Sequence 6, Appli |
| 874 | 303 | 51.4 | 108 | 5 | US-10-811-328-5       | Sequence 5, Appli | 947  | 287.5 | 48.8 | 96  | 4 | US-10-016-481-11      | Sequence 11, Appl |
| 875 | 303 | 51.4 | 108 | 5 | US-10-912-907-5       | Sequence 5, Appli | 948  | 287.5 | 48.8 | 96  | 4 | US-10-132-812-12      | Sequence 12, Appl |
| 876 | 303 | 51.4 | 108 | 5 | US-10-415-724-5       | Sequence 5, Appli | 949  | 287.5 | 48.8 | 96  | 4 | US-10-323-157-11      | Sequence 11, Appl |
| 877 | 303 | 51.4 | 108 | 5 | US-10-990-246-2       | Sequence 2, Appli | 950  | 287.5 | 48.8 | 96  | 5 | US-10-713-567-11      | Sequence 11, Appl |
| 878 | 303 | 51.4 | 108 | 5 | US-10-503-554A-17     | Sequence 17, Appl | 951  | 287.5 | 48.8 | 96  | 5 | US-10-811-328-11      | Sequence 11, Appl |
| 879 | 303 | 51.4 | 108 | 5 | US-10-982-168-2       | Sequence 2, Appli | 952  | 287.5 | 48.8 | 96  | 5 | US-10-912-907-11      | Sequence 11, Appl |
| 880 | 303 | 51.4 | 108 | 5 | US-10-504-588-6       | Sequence 6, Appli | 953  | 287.5 | 48.8 | 96  | 5 | US-10-415-724-11      | Sequence 11, Appl |
| 881 | 303 | 51.4 | 108 | 5 | US-10-415-724-5       | Sequence 5, Appli | 954  | 287.5 | 48.8 | 96  | 5 | US-10-415-724-11      | Sequence 11, Appl |
| 882 | 303 | 51.4 | 108 | 5 | US-10-549-241-4       | Sequence 4, Appli | 955  | 287.5 | 48.8 | 96  | 5 | US-11-529-695-11      | Sequence 11, Appl |
| 883 | 303 | 51.4 | 108 | 6 | US-11-384-222-4       | Sequence 4, Appli | 956  | 286   | 48.6 | 80  | 5 | US-10-977-113-10      | Sequence 10, Appl |
| 884 | 303 | 51.4 | 108 | 6 | US-11-549-232-2       | Sequence 2, Appli | 957  | 286   | 48.6 | 80  | 6 | US-11-073-420-10      | Sequence 10, Appl |
| 885 | 303 | 51.4 | 108 | 6 | US-11-549-227-2       | Sequence 2, Appli | 958  | 286   | 48.6 | 81  | 4 | US-10-417-426-7       | Sequence 7, Appli |
| 886 | 303 | 51.4 | 108 | 6 | US-11-548-814-2       | Sequence 2, Appli | 959  | 286   | 48.6 | 81  | 4 | US-10-467-019-39      | Sequence 39, Appl |
| 887 | 303 | 51.4 | 108 | 6 | US-11-550-982-2       | Sequence 2, Appli | 960  | 286   | 48.6 | 81  | 4 | US-10-362-504-71      | Sequence 71, Appl |
| 888 | 303 | 51.4 | 108 | 6 | US-11-549-237-2       | Sequence 2, Appli | 961  | 286   | 48.6 | 81  | 5 | US-10-680-554-9       | Sequence 9, Appli |
| 889 | 303 | 51.4 | 108 | 6 | US-11-549-222-2       | Sequence 2, Appli | 962  | 286   | 48.6 | 81  | 5 | US-10-680-554-11      | Sequence 11, Appl |
| 890 | 303 | 51.4 | 108 | 6 | US-11-548-805-2       | Sequence 2, Appli | 963  | 286   | 48.6 | 81  | 5 | US-10-713-567-29      | Sequence 29, Appl |
| 891 | 303 | 51.4 | 108 | 6 | US-11-550-993-2       | Sequence 2, Appli | 964  | 286   | 48.6 | 81  | 5 | US-10-713-567-31      | Sequence 31, Appl |
| 892 | 303 | 51.4 | 108 | 6 | US-11-551-002-2       | Sequence 2, Appli | 965  | 286   | 48.6 | 81  | 5 | US-10-811-328-29      | Sequence 29, Appl |
| 893 | 303 | 51.4 | 108 | 6 | US-11-548-810-2       | Sequence 2, Appli | 966  | 286   | 48.6 | 81  | 5 | US-10-811-328-31      | Sequence 31, Appl |
| 894 | 303 | 51.4 | 108 | 6 | US-11-548-819-2       | Sequence 2, Appli | 967  | 286   | 48.6 | 81  | 5 | US-10-871-152-20      | Sequence 20, Appl |
| 895 | 303 | 51.4 | 108 | 6 | US-11-548-824-2       | Sequence 2, Appli | 968  | 286   | 48.6 | 81  | 5 | US-10-503-554A-39     | Sequence 39, Appl |
| 896 | 303 | 51.4 | 108 | 6 | US-11-529-695-5       | Sequence 5, Appli | 969  | 286   | 48.6 | 81  | 6 | US-11-048-649-7       | Sequence 7, Appli |
| 897 | 303 | 51.4 | 108 | 6 | US-11-548-830-2       | Sequence 2, Appli | 970  | 286   | 48.6 | 81  | 6 | US-11-529-695-29      | Sequence 29, Appl |
| 898 | 303 | 51.4 | 108 | 6 | US-11-443-428A-790496 | Sequence 790496,  | 971  | 286   | 48.6 | 81  | 6 | US-11-529-695-31      | Sequence 31, Appl |
| 899 | 303 | 51.4 | 108 | 6 | US-11-548-826-2       | Sequence 2, Appli | 972  | 284   | 48.2 | 81  | 6 | US-11-073-420-37      | Sequence 37, Appl |
| 900 | 303 | 51.4 | 108 | 6 | US-11-551-008-2       | Sequence 2, Appli | 973  | 282.5 | 48.0 | 129 | 4 | US-10-132-812-14      | Sequence 14, Appl |
| 901 | 303 | 51.4 | 108 | 6 | US-11-549-241-2       | Sequence 2, Appli | 974  | 282.5 | 48.0 | 129 | 4 | US-10-231-411-2       | Sequence 2, Appli |
| 902 | 303 | 51.4 | 116 | 4 | US-10-680-755A-26     | Sequence 26, Appl | 975  | 282.5 | 48.0 | 129 | 4 | US-10-680-755A-29     | Sequence 29, Appl |
| 903 | 303 | 51.4 | 116 | 4 | US-10-680-800A-26     | Sequence 26, Appl | 976  | 282.5 | 48.0 | 129 | 4 | US-10-680-800A-29     | Sequence 29, Appl |
| 904 | 303 | 51.4 | 116 | 6 | US-11-548-814-26      | Sequence 26, Appl | 977  | 282.5 | 48.0 | 129 | 4 | US-10-549-241-2       | Sequence 2, Appli |
| 905 | 303 | 51.4 | 116 | 6 | US-11-550-982-26      | Sequence 26, Appl | 978  | 282.5 | 48.0 | 129 | 6 | US-11-384-222-2       | Sequence 2, Appli |
| 906 | 303 | 51.4 | 116 | 6 | US-11-548-805-26      | Sequence 26, Appl | 979  | 282.5 | 48.0 | 129 | 6 | US-11-548-814-29      | Sequence 29, Appl |
| 907 | 303 | 51.4 | 116 | 6 | US-11-550-993-26      | Sequence 26, Appl | 980  | 282.5 | 48.0 | 129 | 6 | US-11-550-982-29      | Sequence 29, Appl |
| 908 | 303 | 51.4 | 116 | 6 | US-11-551-002-26      | Sequence 26, Appl | 981  | 282.5 | 48.0 | 129 | 6 | US-11-548-805-29      | Sequence 29, Appl |
| 909 | 303 | 51.4 | 116 | 6 | US-11-548-810-26      | Sequence 26, Appl | 982  | 282.5 | 48.0 | 129 | 6 | US-11-550-983-29      | Sequence 29, Appl |
| 910 | 303 | 51.4 | 116 | 6 | US-11-548-819-26      | Sequence 26, Appl | 983  | 282.5 | 48.0 | 129 | 6 | US-11-551-002-29      | Sequence 29, Appl |
| 911 | 303 | 51.4 | 116 | 6 | US-11-548-824-26      | Sequence 26, Appl | 984  | 282.5 | 48.0 | 129 | 6 | US-11-548-810-29      | Sequence 29, Appl |
| 912 | 303 | 51.4 | 116 | 6 | US-11-548-830-26      | Sequence 26, Appl | 985  | 282.5 | 48.0 | 129 | 6 | US-11-548-819-29      | Sequence 29, Appl |
| 913 | 303 | 51.4 | 116 | 6 | US-11-548-826-26      | Sequence 26, Appl | 986  | 282.5 | 48.0 | 129 | 6 | US-11-548-824-29      | Sequence 29, Appl |
| 914 | 303 | 51.4 | 116 | 6 | US-11-551-008-26      | Sequence 26, Appl | 987  | 282.5 | 48.0 | 129 | 6 | US-11-548-830-29      | Sequence 29, Appl |
| 915 | 300 | 50.9 | 108 | 5 | US-10-713-567-34      | Sequence 34, Appl | 988  | 282.5 | 48.0 | 129 | 6 | US-11-443-428A-790497 | Sequence 790497,  |
| 916 | 300 | 50.9 | 108 | 5 | US-10-977-113-6       | Sequence 6, Appli | 989  | 282.5 | 48.0 | 129 | 6 | US-11-548-826-29      | Sequence 29, Appl |
| 917 | 300 | 50.9 | 108 | 6 | US-11-073-420-6       | Sequence 6, Appli | 990  | 282.5 | 48.0 | 129 | 6 | US-11-551-008-29      | Sequence 29, Appl |
| 918 | 298 | 50.6 | 107 | 4 | US-10-132-812-10      | Sequence 10, Appl | 991  | 278.5 | 47.3 | 77  | 5 | US-10-680-554-14      | Sequence 14, Appl |
| 919 | 298 | 50.6 | 107 | 4 | US-10-231-411-6       | Sequence 6, Appli | 992  | 278.5 | 47.3 | 77  | 5 | US-10-713-567-32      | Sequence 32, Appl |
| 920 | 298 | 50.6 | 107 | 4 | US-10-467-019-37      | Sequence 37, Appl | 993  | 278.5 | 47.3 | 77  | 5 | US-10-811-328-32      | Sequence 32, Appl |
| 921 | 298 | 50.6 | 107 | 4 | US-10-467-019-55      | Sequence 55, Appl | 994  | 278.5 | 47.3 | 77  | 6 | US-11-529-695-32      | Sequence 32, Appl |
| 922 | 298 | 50.6 | 107 | 4 | US-10-362-504-69      | Sequence 69, Appl | 995  | 270.5 | 45.9 | 102 | 5 | US-10-680-554-6       | Sequence 6, Appli |
| 923 | 298 | 50.6 | 107 | 5 | US-10-503-554A-37     | Sequence 37, Appl | 996  | 267.5 | 45.4 | 77  | 4 | US-10-417-426-11      | Sequence 11, Appl |
| 924 | 298 | 50.6 | 107 | 5 | US-10-503-554A-55     | Sequence 55, Appl | 997  | 267.5 | 45.4 | 77  | 5 | US-10-680-554-13      | Sequence 13, Appl |
| 925 | 298 | 50.6 | 107 | 5 | US-10-549-241-6       | Sequence 6, Appli | 998  | 267.5 | 45.4 | 77  | 5 | US-10-977-113-14      | Sequence 14, Appl |
| 926 | 298 | 50.6 | 107 | 6 | US-11-384-222-6       | Sequence 6, Appli | 999  | 267.5 | 45.4 | 77  | 5 | US-10-871-152-24      | Sequence 24, Appl |
| 927 | 291 | 49.4 | 80  | 4 | US-10-467-019-22      | Sequence 22, Appl | 1000 | 267.5 | 45.4 | 77  | 6 | US-11-073-420-14      | Sequence 14, Appl |
| 928 | 291 | 49.4 | 80  | 5 | US-10-503-554A-22     | Sequence 22, Appl | 1001 | 267.5 | 45.4 | 77  | 6 | US-11-048-649-11      | Sequence 11, Appl |
| 929 | 291 | 49.4 | 81  | 4 | US-10-016-481-6       | Sequence 6, Appli | 1002 | 265.5 | 45.1 | 102 | 4 | US-10-417-426-8       | Sequence 8, Appli |
| 930 | 291 | 49.4 | 81  | 4 | US-10-323-157-6       | Sequence 6, Appli | 1003 | 265.5 | 45.1 | 102 | 5 | US-10-871-152-21      | Sequence 21, Appl |
| 931 | 291 | 49.4 | 81  | 4 | US-10-417-426-5       | Sequence 5, Appli | 1004 | 265.5 | 45.1 | 102 | 6 | US-11-048-649-8       | Sequence 8, Appli |
| 932 | 291 | 49.4 | 81  | 4 | US-10-467-019-19      | Sequence 19, Appl | 1005 | 251.5 | 42.7 | 100 | 4 | US-10-417-426-6       | Sequence 6, Appli |
| 933 | 291 | 49.4 | 81  | 5 | US-10-680-554-7       | Sequence 7, Appli | 1006 | 251.5 | 42.7 | 100 | 5 | US-10-871-152-19      | Sequence 19, Appl |
| 934 | 291 | 49.4 | 81  | 5 | US-10-713-567-6       | Sequence 6, Appli | 1007 | 250.5 | 42.7 | 100 | 6 | US-11-048-649-6       | Sequence 6, Appli |
| 935 | 291 | 49.4 | 81  | 5 | US-10-811-328-6       | Sequence 6, Appli | 1008 | 250.5 | 42.5 | 75  | 4 | US-10-417-426-12      | Sequence 12, Appl |
| 936 | 291 | 49.4 | 81  | 5 | US-10-912-907-6       | Sequence 6, Appli | 1009 | 250.5 | 42.5 | 75  | 5 | US-10-977-113-13      | Sequence 13, Appl |
| 937 | 291 | 49.4 | 81  | 5 | US-10-415-724-6       | Sequence 6, Appli | 1010 | 250.5 | 42.5 | 75  | 5 | US-10-871-152-25      | Sequence 25, Appl |
| 938 | 291 | 49.4 | 81  | 5 | US-10-977-113-9       | Sequence 9, Appli | 1011 | 250.5 | 42.5 | 75  | 6 | US-11-073-420-13      | Sequence 13, Appl |
| 939 | 291 | 49.4 | 81  | 5 | US-10-871-152-18      | Sequence 18, Appl | 1012 | 250.5 | 42.5 | 75  | 6 | US-11-048-649-12      | Sequence 12, Appl |
| 940 | 291 | 49.4 | 81  | 5 | US-10-503-554A-19     | Sequence 19, Appl | 1013 | 216.5 | 36.8 | 118 | 4 | US-10-132-812-8       | Sequence 8, Appli |
| 941 | 291 | 49.4 | 81  | 5 | US-10-415-724-6       | Sequence 6, Appli | 1014 | 109   | 18.5 | 23  | 4 | US-10-680-755A-9      | Sequence 9, Appli |
| 942 | 291 | 49.4 | 81  | 5 | US-10-542-664-3       | Sequence 3, Appli | 1015 | 109   | 18.5 | 23  | 4 | US-10-680-800A-9      | Sequence 9, Appli |
| 943 | 291 | 49.4 | 81  | 5 | US-10-576-066-1       | Sequence 1, Appli | 1016 | 109   | 18.5 | 23  | 6 | US-11-548-814-9       | Sequence 9, Appli |
| 944 | 291 | 49.4 | 81  | 6 | US-11-073-420-9       | Sequence 9, Appli | 1017 | 109   | 18.5 | 23  | 6 | US-11-550-982-9       | Sequence 9, Appli |
| 945 | 291 | 49.4 | 81  | 6 | US-11-048-649-5       | Sequence 5, Appli | 1018 | 109   | 18.5 | 23  | 6 | US-11-548-805-9       | Sequence 9, Appli |

Fri Nov 30 07:56:32 2007

|      |       |      |     |   |                       |                   |
|------|-------|------|-----|---|-----------------------|-------------------|
| 1019 | 109   | 18.5 | 23  | 6 | US-11-550-993-9       | Sequence 9, Appli |
| 1020 | 109   | 18.5 | 23  | 6 | US-11-551-002-9       | Sequence 9, Appli |
| 1021 | 109   | 18.5 | 23  | 6 | US-11-548-810-9       | Sequence 9, Appli |
| 1022 | 109   | 18.5 | 23  | 6 | US-11-548-819-9       | Sequence 9, Appli |
| 1023 | 109   | 18.5 | 23  | 6 | US-11-548-824-9       | Sequence 9, Appli |
| 1024 | 109   | 18.5 | 23  | 6 | US-11-548-830-9       | Sequence 9, Appli |
| 1025 | 109   | 18.5 | 23  | 6 | US-11-548-826-9       | Sequence 9, Appli |
| 1026 | 109   | 18.5 | 23  | 6 | US-11-551-008-9       | Sequence 9, Appli |
| 1027 | 108.5 | 18.4 | 221 | 5 | US-10-579-596-5       | Sequence 5, Appli |
| 1028 | 107.5 | 18.3 | 161 | 4 | US-10-287-971-32      | Sequence 32, Appl |
| 1029 | 107.5 | 18.3 | 173 | 4 | US-10-287-971-30      | Sequence 30, Appl |
| 1030 | 107.5 | 18.3 | 180 | 4 | US-10-287-971-34      | Sequence 34, Appl |
| 1031 | 107.5 | 18.3 | 224 | 3 | US-09-976-736-14      | Sequence 14, Appl |
| 1032 | 107.5 | 18.3 | 224 | 3 | US-09-972-473-5       | Sequence 5, Appli |
| 1033 | 107.5 | 18.3 | 224 | 3 | US-09-972-473-5       | Sequence 5, Appli |
| 1034 | 107.5 | 18.3 | 224 | 4 | US-10-295-027-628     | Sequence 628, App |
| 1035 | 107.5 | 18.3 | 224 | 4 | US-10-287-971-28      | Sequence 28, Appl |
| 1036 | 107.5 | 18.3 | 224 | 4 | US-10-408-765A-335    | Sequence 335, App |
| 1037 | 107.5 | 18.3 | 224 | 5 | US-10-819-054-5       | Sequence 5, Appli |
| 1038 | 107.5 | 18.3 | 224 | 5 | US-10-998-271-14      | Sequence 14, Appl |
| 1039 | 107.5 | 18.3 | 224 | 5 | US-10-579-596-2       | Sequence 2, Appli |
| 1040 | 107.5 | 18.3 | 224 | 5 | US-10-579-596-4       | Sequence 4, Appli |
| 1041 | 107.5 | 18.3 | 224 | 6 | US-11-255-790-5       | Sequence 5, Appli |
| 1042 | 107.5 | 18.3 | 224 | 6 | US-11-069-137-5       | Sequence 5, Appli |
| 1043 | 107.5 | 18.3 | 224 | 6 | US-11-443-428A-879994 | Sequence 879994,  |
| 1044 | 107.5 | 18.3 | 344 | 4 | US-10-201-310-3       | Sequence 3, Appli |
| 1045 | 107.5 | 18.3 | 350 | 3 | US-09-972-473-38      | Sequence 38, Appl |
| 1046 | 107.5 | 18.3 | 350 | 3 | US-09-972-473-38      | Sequence 38, Appl |
| 1047 | 107.5 | 18.3 | 350 | 5 | US-10-819-054-38      | Sequence 38, Appl |
| 1048 | 107.5 | 18.3 | 350 | 6 | US-11-255-790-38      | Sequence 38, Appl |
| 1049 | 107.5 | 18.3 | 350 | 6 | US-11-069-137-38      | Sequence 38, Appl |
| 1050 | 105.5 | 17.9 | 223 | 4 | US-10-271-628-4       | Sequence 4, Appli |
| 1051 | 105.5 | 17.9 | 223 | 6 | US-11-056-562-4       | Sequence 4, Appli |
| 1052 | 105.5 | 17.9 | 223 | 6 | US-11-465-956-4       | Sequence 4, Appli |
| 1053 | 102   | 17.3 | 179 | 3 | US-09-972-473-11      | Sequence 11, Appl |
| 1054 | 102   | 17.3 | 179 | 3 | US-09-972-473-11      | Sequence 11, Appl |
| 1055 | 102   | 17.3 | 179 | 4 | US-10-351-275-6       | Sequence 6, Appli |
| 1056 | 102   | 17.3 | 179 | 5 | US-10-819-054-11      | Sequence 11, Appl |
| 1057 | 102   | 17.3 | 179 | 6 | US-11-255-790-11      | Sequence 11, Appl |
| 1058 | 102   | 17.3 | 179 | 6 | US-11-069-137-11      | Sequence 11, Appl |
| 1059 | 102   | 17.3 | 186 | 5 | US-10-940-774-7146    | Sequence 7146, Ap |
| 1060 | 102   | 17.3 | 207 | 3 | US-09-976-736-13      | Sequence 13, Appl |
| 1061 | 102   | 17.3 | 207 | 5 | US-10-998-271-13      | Sequence 13, Appl |
| 1062 | 102   | 17.3 | 255 | 6 | US-11-443-428A-772896 | Sequence 772896,  |
| 1063 | 102   | 17.3 | 259 | 3 | US-09-976-736-12      | Sequence 12, Appl |

Search completed: November 29, 2007, 17:24:31  
Job time : 113.66 secs

GenCore version 6.2.1  
 Copyright (c) 1993 - 2007 Bioceleration Ltd.  
 OM protein - protein search, using sw model  
 Run on: November 29, 2007, 17:17:13 ; Search time 37 Seconds  
 (without alignments)  
 328.583 Million cell updates/sec

Title: US-10-692-299-2\_COPY\_20\_105  
 Perfect score: 498  
 Sequence: 1 AVITGACERDVQCGAGTCCA.....CSRFPGDGRYRCMDLKNINP 86

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 983262 seqs, 142787483 residues

Total number of hits satisfying chosen parameters: 983262

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database : Issued Patents AA.\*  
 1: /EMC\_Celerra\_SIDS2/ptodata/1/iaa/5\_COMB.pep.\*  
 2: /EMC\_Celerra\_SIDS2/ptodata/1/iaa/6\_COMB.pep.\*  
 3: /EMC\_Celerra\_SIDS2/ptodata/1/iaa/7\_COMB.pep.\*  
 4: /EMC\_Celerra\_SIDS2/ptodata/1/iaa/H\_COMB.pep.\*  
 5: /EMC\_Celerra\_SIDS2/ptodata/1/iaa/PTUS\_COMB.pep.\*  
 6: /EMC\_Celerra\_SIDS2/ptodata/1/iaa/RE\_COMB.pep.\*  
 7: /EMC\_Celerra\_SIDS2/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description        |
|------------|-------|-------------|--------|----|--------------------|
| 1          | 498   | 100.0       | 86     | 3  | US-10-333-192-21   |
| 2          | 498   | 100.0       | 86     | 3  | US-10-323-157A-3   |
| 3          | 498   | 100.0       | 86     | 3  | US-10-231-411A-7   |
| 4          | 498   | 100.0       | 86     | 3  | US-10-811-328-3    |
| 5          | 498   | 100.0       | 87     | 3  | US-10-323-157A-18  |
| 6          | 498   | 100.0       | 87     | 3  | US-10-811-328-18   |
| 7          | 498   | 100.0       | 89     | 3  | US-10-323-157A-15  |
| 8          | 498   | 100.0       | 89     | 3  | US-10-811-328-15   |
| 9          | 498   | 100.0       | 105    | 2  | US-08-712-529-5    |
| 10         | 498   | 100.0       | 105    | 2  | US-10-212-201A-5   |
| 11         | 498   | 100.0       | 105    | 2  | US-10-212-355-5    |
| 12         | 498   | 100.0       | 105    | 2  | US-09-991-181-371  |
| 13         | 498   | 100.0       | 105    | 2  | US-09-990-444-371  |
| 14         | 498   | 100.0       | 105    | 2  | US-09-997-333-371  |
| 15         | 498   | 100.0       | 105    | 2  | US-09-992-598-371  |
| 16         | 498   | 100.0       | 105    | 2  | US-09-989-735-371  |
| 17         | 498   | 100.0       | 105    | 3  | US-09-989-726-371  |
| 18         | 498   | 100.0       | 105    | 3  | US-09-997-514-371  |
| 19         | 498   | 100.0       | 105    | 3  | US-09-989-728-371  |
| 20         | 498   | 100.0       | 105    | 3  | US-09-997-349-371  |
| 21         | 498   | 100.0       | 105    | 3  | US-09-997-653-371  |
| 22         | 498   | 100.0       | 105    | 3  | US-09-989-293A-371 |
| 23         | 498   | 100.0       | 105    | 3  | US-09-989-732-371  |
| 24         | 498   | 100.0       | 105    | 3  | US-09-990-441-371  |
| 25         | 498   | 100.0       | 105    | 3  | US-10-333-192-23   |
| 26         | 498   | 100.0       | 105    | 3  | US-10-123-292-470  |

|    |       |       |     |   |                     |                   |
|----|-------|-------|-----|---|---------------------|-------------------|
| 27 | 498   | 100.0 | 105 | 3 | US-10-323-157A-2    | Sequence 2, Appli |
| 28 | 498   | 100.0 | 105 | 3 | US-09-989-328-371   | Sequence 371, App |
| 29 | 498   | 100.0 | 105 | 3 | US-09-989-724-371   | Sequence 371, App |
| 30 | 498   | 100.0 | 105 | 3 | US-09-989-733-371   | Sequence 371, App |
| 31 | 498   | 100.0 | 105 | 3 | US-09-993-583-371   | Sequence 371, App |
| 32 | 498   | 100.0 | 105 | 3 | US-10-152-398-470   | Sequence 470, App |
| 33 | 498   | 100.0 | 105 | 3 | US-09-989-279-371   | Sequence 371, App |
| 34 | 498   | 100.0 | 105 | 3 | US-10-123-907-470   | Sequence 470, App |
| 35 | 498   | 100.0 | 105 | 3 | US-10-147-512-470   | Sequence 470, App |
| 36 | 498   | 100.0 | 105 | 3 | US-10-147-485-470   | Sequence 470, App |
| 37 | 498   | 100.0 | 105 | 3 | US-09-991-157-371   | Sequence 371, App |
| 38 | 498   | 100.0 | 105 | 3 | US-10-124-814-470   | Sequence 470, App |
| 39 | 498   | 100.0 | 105 | 3 | US-10-124-822-470   | Sequence 470, App |
| 40 | 498   | 100.0 | 105 | 3 | US-09-990-439-371   | Sequence 371, App |
| 41 | 498   | 100.0 | 105 | 3 | US-09-997-641-371   | Sequence 371, App |
| 42 | 498   | 100.0 | 105 | 3 | US-10-223-081-172   | Sequence 172, App |
| 43 | 498   | 100.0 | 105 | 3 | US-10-811-328-2     | Sequence 2, Appli |
| 44 | 498   | 100.0 | 105 | 3 | US-09-997-384-371   | Sequence 371, App |
| 45 | 498   | 100.0 | 105 | 3 | US-10-982-168-5     | Sequence 5, Appli |
| 46 | 498   | 100.0 | 105 | 3 | US-10-219-074-166   | Sequence 166, App |
| 47 | 498   | 100.0 | 105 | 3 | US-10-227-873-166   | Sequence 166, App |
| 48 | 498   | 100.0 | 105 | 3 | US-10-223-087-172   | Sequence 172, App |
| 49 | 498   | 100.0 | 105 | 3 | US-10-131-833A-470  | Sequence 470, App |
| 50 | 498   | 100.0 | 105 | 3 | US-10-218-849-166   | Sequence 166, App |
| 51 | 498   | 100.0 | 105 | 3 | US-10-142-419-470   | Sequence 470, App |
| 52 | 498   | 100.0 | 105 | 3 | US-09-989-730-371   | Sequence 371, App |
| 53 | 498   | 100.0 | 105 | 3 | US-10-216-168-166   | Sequence 166, App |
| 54 | 498   | 100.0 | 105 | 3 | US-10-152-375-470   | Sequence 470, App |
| 55 | 498   | 100.0 | 105 | 3 | US-10-223-082-172   | Sequence 172, App |
| 56 | 498   | 100.0 | 105 | 3 | US-10-223-084-172   | Sequence 172, App |
| 57 | 498   | 100.0 | 105 | 3 | US-09-997-585-371   | Sequence 371, App |
| 58 | 498   | 100.0 | 105 | 3 | US-10-131-818A-470  | Sequence 470, App |
| 59 | 498   | 100.0 | 105 | 3 | US-10-990-246-5     | Sequence 5, Appli |
| 60 | 498   | 100.0 | 105 | 3 | US-10-145-873-470   | Sequence 470, App |
| 61 | 498   | 100.0 | 105 | 3 | US-10-152-395-470   | Sequence 470, App |
| 62 | 498   | 100.0 | 105 | 3 | US-10-131-822A-470  | Sequence 470, App |
| 63 | 498   | 100.0 | 105 | 3 | US-10-142-763-470   | Sequence 470, App |
| 64 | 498   | 100.0 | 105 | 3 | US-10-128-694A-470  | Sequence 470, App |
| 65 | 498   | 100.0 | 105 | 3 | US-09-997-601-371   | Sequence 371, App |
| 66 | 498   | 100.0 | 105 | 3 | US-10-123-213-470   | Sequence 470, App |
| 67 | 498   | 100.0 | 105 | 3 | US-10-123-909-470   | Sequence 470, App |
| 68 | 498   | 100.0 | 105 | 3 | US-10-131-826A-470  | Sequence 470, App |
| 69 | 498   | 100.0 | 105 | 3 | US-10-680-755A-5    | Sequence 5, Appli |
| 70 | 498   | 100.0 | 105 | 3 | US-10-147-513-470   | Sequence 470, App |
| 71 | 498   | 100.0 | 105 | 3 | US-10-121-043-470   | Sequence 470, App |
| 72 | 498   | 100.0 | 105 | 3 | US-09-997-666-371   | Sequence 371, App |
| 73 | 498   | 100.0 | 105 | 3 | US-10-139-980-470   | Sequence 470, App |
| 74 | 498   | 100.0 | 105 | 3 | US-10-223-090-172   | Sequence 172, App |
| 75 | 497   | 99.8  | 86  | 3 | US-10-333-192-20    | Sequence 20, Appl |
| 76 | 497   | 99.8  | 105 | 3 | US-10-333-192-22    | Sequence 22, Appl |
| 77 | 497   | 99.8  | 105 | 3 | US-10-467-554-3     | Sequence 3, Appli |
| 78 | 494   | 99.2  | 85  | 3 | US-10-323-157A-16   | Sequence 16, Appl |
| 79 | 494   | 99.2  | 85  | 3 | US-10-811-328-16    | Sequence 16, Appl |
| 80 | 494   | 99.2  | 86  | 3 | US-10-811-328-20    | Sequence 20, Appl |
| 81 | 486   | 97.6  | 105 | 2 | US-09-621-976-5350  | Sequence 5350, Ap |
| 82 | 478   | 96.0  | 86  | 3 | US-10-323-157A-17   | Sequence 17, Appl |
| 83 | 478   | 96.0  | 86  | 3 | US-10-811-328-17    | Sequence 17, Appl |
| 84 | 473   | 95.0  | 86  | 3 | US-10-811-328-30    | Sequence 30, Appl |
| 85 | 455   | 91.4  | 86  | 3 | US-10-811-328-28    | Sequence 28, Appl |
| 86 | 413   | 82.9  | 86  | 3 | US-10-323-157A-14   | Sequence 14, Appl |
| 87 | 413   | 82.9  | 86  | 3 | US-10-811-328-14    | Sequence 14, Appl |
| 88 | 376   | 75.5  | 81  | 3 | US-10-323-157A-13   | Sequence 13, Appl |
| 89 | 376   | 75.5  | 81  | 3 | US-10-811-328-13    | Sequence 13, Appl |
| 90 | 357   | 71.7  | 80  | 2 | US-09-513-999C-4698 | Sequence 4698, Ap |
| 91 | 357   | 71.7  | 80  | 3 | US-10-793-479-4698  | Sequence 4698, Ap |
| 92 | 315   | 63.3  | 80  | 3 | US-10-333-192-34    | Sequence 34, Appl |
| 93 | 310.5 | 62.3  | 81  | 3 | US-10-323-157A-12   | Sequence 12, Appl |
| 94 | 310.5 | 62.3  | 81  | 3 | US-10-811-328-12    | Sequence 12, Appl |
| 95 | 291   | 58.4  | 81  | 3 | US-10-323-157A-6    | Sequence 6, Appli |
| 96 | 291   | 58.4  | 81  | 3 | US-10-811-328-6     | Sequence 6, Appli |
| 97 | 291   | 58.4  | 108 | 2 | US-09-712-529-2     | Sequence 2, Appli |
| 98 | 291   | 58.4  | 108 | 2 | US-10-212-201A-2    | Sequence 2, Appli |
| 99 | 291   | 58.4  | 108 | 2 | US-10-212-355-2     | Sequence 2, Appli |





|     |       |      |      |   |                      |                   |     |      |      |      |   |                      |                   |
|-----|-------|------|------|---|----------------------|-------------------|-----|------|------|------|---|----------------------|-------------------|
| 246 | 100.5 | 20.2 | 350  | 3 | US-10-063-553-8      | Sequence 8, Appli | 319 | 75.5 | 15.2 | 1664 | 3 | US-10-055-877-212    | Sequence 212, App |
| 247 | 100.5 | 20.2 | 350  | 3 | US-10-063-553A-8     | Sequence 8, Appli | 320 | 74.5 | 15.0 | 425  | 3 | US-10-108-260A-4381  | Sequence 4381, Ap |
| 248 | 100.5 | 20.2 | 350  | 3 | US-10-448-923-236    | Sequence 236, App | 321 | 74.5 | 15.0 | 451  | 3 | US-10-915-160-6      | Sequence 6, Appli |
| 249 | 100.5 | 20.2 | 350  | 3 | US-10-063-595-8      | Sequence 8, Appli | 322 | 73   | 14.7 | 87   | 3 | US-09-972-473-25     | Sequence 25, Appl |
| 250 | 100.5 | 20.2 | 350  | 3 | US-10-063-587-8      | Sequence 8, Appli | 323 | 73   | 14.7 | 124  | 2 | US-09-949-016-11293  | Sequence 11293, A |
| 251 | 100.5 | 20.2 | 350  | 3 | US-10-063-586-8      | Sequence 8, Appli | 324 | 72.5 | 14.6 | 163  | 1 | US-08-219-237B-5     | Sequence 5, Appli |
| 252 | 100.5 | 20.2 | 350  | 3 | US-10-223-090-50     | Sequence 50, Appl | 325 | 72.5 | 14.6 | 163  | 2 | US-08-477-347-13     | Sequence 13, Appl |
| 253 | 100.5 | 20.2 | 375  | 2 | US-09-949-016-7856   | Sequence 7856, Ap | 326 | 72.5 | 14.6 | 163  | 2 | US-08-476-862-4      | Sequence 4, Appli |
| 254 | 100.5 | 20.2 | 375  | 2 | US-09-949-016-7857   | Sequence 7857, Ap | 327 | 72.5 | 14.6 | 163  | 2 | US-08-468-560C-5     | Sequence 5, Appli |
| 255 | 100.5 | 20.2 | 375  | 2 | US-09-949-016-7858   | Sequence 7858, Ap | 328 | 72.5 | 14.6 | 163  | 2 | US-08-828-683A-13    | Sequence 13, Appl |
| 256 | 98.5  | 19.8 | 349  | 2 | US-09-161-241-8      | Sequence 8, Appli | 329 | 72.5 | 14.6 | 163  | 2 | US-09-800-909-4      | Sequence 4, Appli |
| 257 | 98.5  | 19.8 | 349  | 2 | US-09-972-473-17     | Sequence 17, Appl | 330 | 72.5 | 14.6 | 163  | 2 | US-08-800-908-13     | Sequence 13, Appl |
| 258 | 97    | 19.5 | 266  | 2 | US-09-161-241-10     | Sequence 10, Appl | 331 | 72.5 | 14.6 | 163  | 2 | US-09-523-323-54     | Sequence 54, Appl |
| 259 | 97    | 19.5 | 266  | 2 | US-09-976-594-1086   | Sequence 1086, Ap | 332 | 72.5 | 14.6 | 163  | 2 | US-09-884-987-5      | Sequence 5, Appli |
| 260 | 97    | 19.5 | 266  | 2 | US-09-999-833A-456   | Sequence 456, App | 333 | 72.5 | 14.6 | 163  | 2 | US-08-232-087A-9     | Sequence 9, Appli |
| 261 | 97    | 19.5 | 266  | 2 | US-10-020-445A-456   | Sequence 456, App | 334 | 72.5 | 14.6 | 189  | 2 | US-09-422-680A-25    | Sequence 25, Appl |
| 262 | 97    | 19.5 | 266  | 2 | US-09-978-189-456    | Sequence 456, App | 335 | 72.5 | 14.6 | 197  | 3 | US-10-703-032-156619 | Sequence 156619,  |
| 263 | 97    | 19.5 | 266  | 2 | US-10-017-085A-456   | Sequence 456, App | 336 | 72.5 | 14.6 | 227  | 2 | US-08-974-022-48     | Sequence 48, Appl |
| 264 | 97    | 19.5 | 266  | 3 | US-10-145-129A-456   | Sequence 456, App | 337 | 72.5 | 14.6 | 227  | 2 | US-08-795-445A-48    | Sequence 48, Appl |
| 265 | 97    | 19.5 | 266  | 3 | US-10-013-929A-456   | Sequence 456, App | 338 | 72.5 | 14.6 | 227  | 2 | US-08-795-447A-48    | Sequence 48, Appl |
| 266 | 97    | 19.5 | 266  | 3 | US-10-013-917A-456   | Sequence 456, App | 339 | 72.5 | 14.6 | 227  | 2 | US-08-974-186-48     | Sequence 48, Appl |
| 267 | 97    | 19.5 | 266  | 3 | US-10-013-925A-456   | Sequence 456, App | 340 | 72.5 | 14.6 | 227  | 2 | US-08-795-446B-48    | Sequence 48, Appl |
| 268 | 97    | 19.5 | 266  | 3 | US-10-123-292-428    | Sequence 428, App | 341 | 72.5 | 14.6 | 227  | 2 | US-08-706-945D-134   | Sequence 134, App |
| 269 | 97    | 19.5 | 266  | 3 | US-09-972-473-8      | Sequence 8, Appli | 342 | 72.5 | 14.6 | 227  | 2 | US-08-577-788C-48    | Sequence 48, Appl |
| 270 | 97    | 19.5 | 266  | 3 | US-10-162-521A-456   | Sequence 456, App | 343 | 72.5 | 14.6 | 227  | 3 | US-09-613-591F-131   | Sequence 131, App |
| 271 | 97    | 19.5 | 266  | 3 | US-10-145-016A-456   | Sequence 456, App | 344 | 72.5 | 14.6 | 235  | 2 | US-09-326-394-4      | Sequence 4, Appli |
| 272 | 97    | 19.5 | 266  | 3 | US-10-013-926A-456   | Sequence 456, App | 345 | 72.5 | 14.6 | 235  | 2 | US-09-580-235-2      | Sequence 2, Appli |
| 273 | 97    | 19.5 | 266  | 3 | US-10-152-398-428    | Sequence 428, App | 346 | 72.5 | 14.6 | 235  | 2 | US-09-580-235-4      | Sequence 4, Appli |
| 274 | 97    | 19.5 | 266  | 3 | US-10-162-522A-456   | Sequence 456, App | 347 | 72.5 | 14.6 | 235  | 2 | US-09-580-235-6      | Sequence 6, Appli |
| 275 | 97    | 19.5 | 266  | 3 | US-10-123-907-428    | Sequence 428, App | 348 | 72.5 | 14.6 | 235  | 2 | US-09-580-235-8      | Sequence 8, Appli |
| 276 | 97    | 19.5 | 266  | 3 | US-10-147-512-428    | Sequence 428, App | 349 | 72.5 | 14.6 | 235  | 2 | US-09-580-181-2      | Sequence 2, Appli |
| 277 | 97    | 19.5 | 266  | 3 | US-10-147-485-428    | Sequence 428, App | 350 | 72.5 | 14.6 | 235  | 2 | US-09-580-181-4      | Sequence 4, Appli |
| 278 | 97    | 19.5 | 266  | 3 | US-10-124-814-428    | Sequence 428, App | 351 | 72.5 | 14.6 | 235  | 2 | US-09-580-181-6      | Sequence 6, Appli |
| 279 | 97    | 19.5 | 266  | 3 | US-10-143-029A-456   | Sequence 456, App | 352 | 72.5 | 14.6 | 235  | 2 | US-09-580-181-8      | Sequence 8, Appli |
| 280 | 97    | 19.5 | 266  | 3 | US-10-124-822-428    | Sequence 428, App | 353 | 72.5 | 14.6 | 235  | 2 | US-09-102-530-2      | Sequence 2, Appli |
| 281 | 97    | 19.5 | 266  | 3 | US-10-165-247A-456   | Sequence 456, App | 354 | 72.5 | 14.6 | 235  | 2 | US-09-102-530-4      | Sequence 4, Appli |
| 282 | 97    | 19.5 | 266  | 3 | US-10-017-086A-456   | Sequence 456, App | 355 | 72.5 | 14.6 | 235  | 2 | US-09-102-530-6      | Sequence 6, Appli |
| 283 | 97    | 19.5 | 266  | 3 | US-09-999-832A-456   | Sequence 456, App | 356 | 72.5 | 14.6 | 235  | 2 | US-09-102-530-8      | Sequence 8, Appli |
| 284 | 97    | 19.5 | 266  | 3 | US-10-131-833A-428   | Sequence 428, App | 357 | 72.5 | 14.6 | 235  | 2 | US-09-882-735A-16    | Sequence 16, Appl |
| 285 | 97    | 19.5 | 266  | 3 | US-10-142-419-428    | Sequence 428, App | 358 | 72.5 | 14.6 | 235  | 3 | US-10-243-230-2      | Sequence 2, Appli |
| 286 | 97    | 19.5 | 266  | 3 | US-10-152-375-428    | Sequence 428, App | 359 | 72.5 | 14.6 | 235  | 3 | US-10-243-230-4      | Sequence 4, Appli |
| 287 | 97    | 19.5 | 266  | 3 | US-10-152-375A-428   | Sequence 428, App | 360 | 72.5 | 14.6 | 235  | 3 | US-10-243-230-6      | Sequence 6, Appli |
| 288 | 97    | 19.5 | 266  | 3 | US-10-131-818A-428   | Sequence 428, App | 361 | 72.5 | 14.6 | 235  | 3 | US-10-243-230-8      | Sequence 8, Appli |
| 289 | 97    | 19.5 | 266  | 3 | US-10-013-923A-456   | Sequence 456, App | 362 | 72.5 | 14.6 | 257  | 2 | US-09-579-845-10     | Sequence 10, Appl |
| 290 | 97    | 19.5 | 266  | 3 | US-10-013-927A-456   | Sequence 456, App | 363 | 72.5 | 14.6 | 439  | 2 | US-10-360-101-226    | Sequence 226, App |
| 291 | 97    | 19.5 | 266  | 3 | US-10-145-873-428    | Sequence 428, App | 364 | 72.5 | 14.6 | 461  | 1 | US-08-385-229-2      | Sequence 2, Appli |
| 292 | 97    | 19.5 | 266  | 3 | US-10-152-395-428    | Sequence 428, App | 365 | 72.5 | 14.6 | 461  | 1 | US-08-650-000-2      | Sequence 2, Appli |
| 293 | 97    | 19.5 | 266  | 3 | US-10-131-822A-428   | Sequence 428, App | 366 | 72.5 | 14.6 | 461  | 2 | US-09-042-785A-7     | Sequence 7, Appli |
| 294 | 97    | 19.5 | 266  | 3 | US-10-142-763-428    | Sequence 428, App | 367 | 72.5 | 14.6 | 461  | 2 | US-08-477-347-3      | Sequence 3, Appli |
| 295 | 97    | 19.5 | 266  | 3 | US-10-128-694A-428   | Sequence 428, App | 368 | 72.5 | 14.6 | 461  | 2 | US-09-006-353A-4     | Sequence 4, Appli |
| 296 | 97    | 19.5 | 266  | 3 | US-10-123-213-428    | Sequence 428, App | 369 | 72.5 | 14.6 | 461  | 2 | US-08-476-862-2      | Sequence 2, Appli |
| 297 | 97    | 19.5 | 266  | 3 | US-10-123-909-428    | Sequence 428, App | 370 | 72.5 | 14.6 | 461  | 2 | US-09-573-986-4      | Sequence 4, Appli |
| 298 | 97    | 19.5 | 266  | 3 | US-09-145-087A-456   | Sequence 456, App | 371 | 72.5 | 14.6 | 461  | 2 | US-08-406-824A-2     | Sequence 2, Appli |
| 299 | 97    | 19.5 | 266  | 3 | US-09-978-564A-456   | Sequence 456, App | 372 | 72.5 | 14.6 | 461  | 2 | US-08-800-909-2      | Sequence 2, Appli |
| 300 | 97    | 19.5 | 266  | 3 | US-09-978-375A-456   | Sequence 456, App | 373 | 72.5 | 14.6 | 461  | 2 | US-09-758-124-2      | Sequence 2, Appli |
| 301 | 97    | 19.5 | 266  | 3 | US-10-165-353A-456   | Sequence 456, App | 374 | 72.5 | 14.6 | 461  | 2 | US-09-800-908-3      | Sequence 3, Appli |
| 302 | 97    | 19.5 | 266  | 3 | US-10-143-030A-456   | Sequence 456, App | 375 | 72.5 | 14.6 | 461  | 2 | US-09-896-096A-17    | Sequence 17, Appl |
| 303 | 97    | 19.5 | 266  | 3 | US-10-131-826A-428   | Sequence 428, App | 376 | 72.5 | 14.6 | 461  | 2 | US-09-949-016-6019   | Sequence 6019, Ap |
| 304 | 97    | 19.5 | 266  | 3 | US-10-145-089A-456   | Sequence 456, App | 377 | 72.5 | 14.6 | 461  | 2 | US-10-046-433-6      | Sequence 6, Appli |
| 305 | 97    | 19.5 | 266  | 3 | US-10-170-481A-456   | Sequence 456, App | 378 | 72.5 | 14.6 | 461  | 3 | US-09-826-212A-4     | Sequence 4, Appli |
| 306 | 97    | 19.5 | 266  | 3 | US-10-147-513-428    | Sequence 428, App | 379 | 72.5 | 14.6 | 461  | 3 | US-10-420-785A-2     | Sequence 2, Appli |
| 307 | 97    | 19.5 | 266  | 3 | US-10-121-043-428    | Sequence 428, App | 380 | 72.5 | 14.6 | 461  | 3 | US-09-526-437-5      | Sequence 5, Appli |
| 308 | 97    | 19.5 | 266  | 3 | US-10-160-502A-456   | Sequence 456, App | 381 | 72.5 | 14.6 | 461  | 3 | US-08-469-637A-3     | Sequence 3, Appli |
| 309 | 97    | 19.5 | 266  | 3 | US-10-139-980-428    | Sequence 428, App | 382 | 72.5 | 14.6 | 461  | 3 | US-10-411-037-32     | Sequence 32, Appl |
| 310 | 95.5  | 19.2 | 259  | 3 | US-09-972-473-37     | Sequence 37, Appl | 383 | 72.5 | 14.6 | 461  | 3 | US-10-287-994-32     | Sequence 32, Appl |
| 311 | 83.5  | 16.8 | 508  | 2 | US-10-915-160-2      | Sequence 2, Appli | 384 | 72.5 | 14.6 | 461  | 3 | US-10-775-204-462    | Sequence 462, App |
| 312 | 81.5  | 16.4 | 446  | 2 | US-10-104-047-2665   | Sequence 2665, Ap | 385 | 72.5 | 14.6 | 461  | 3 | US-10-775-204-467    | Sequence 467, App |
| 313 | 81    | 16.3 | 1964 | 2 | US-09-467-997-1      | Sequence 1, Appli | 386 | 72.5 | 14.6 | 461  | 3 | US-10-410-997-32     | Sequence 32, Appl |
| 314 | 79.5  | 16.0 | 446  | 3 | US-10-108-260A-3580  | Sequence 3580, Ap | 387 | 72.5 | 14.6 | 461  | 3 | US-10-410-962-32     | Sequence 32, Appl |
| 315 | 77    | 15.5 | 145  | 3 | US-10-703-032-196520 | Sequence 196520,  | 388 | 72.5 | 14.6 | 461  | 3 | US-10-410-897A-32    | Sequence 32, Appl |
| 316 | 76.5  | 15.4 | 1342 | 2 | US-09-561-709B-13    | Sequence 13, Appl | 389 | 72.5 | 14.6 | 461  | 3 | US-09-518-931-6      | Sequence 6, Appli |
| 317 | 76    | 15.3 | 14   | 3 | US-10-323-157A-19    | Sequence 19, Appl | 390 | 72.5 | 14.6 | 461  | 3 | US-10-775-180-152    | Sequence 152, App |
| 318 | 76    | 15.3 | 14   | 3 | US-10-811-328-19     | Sequence 19, Appl | 391 | 72.5 | 14.6 | 461  | 3 | US-10-775-180-155    | Sequence 155, App |

|     |      |      |      |   |                     |                    |     |      |      |      |   |                      |                   |
|-----|------|------|------|---|---------------------|--------------------|-----|------|------|------|---|----------------------|-------------------|
| 392 | 72.5 | 14.6 | 461  | 3 | US-10-410-945A-32   | Sequence 32, Appl  | 465 | 68   | 13.7 | 224  | 2 | US-08-795-446B-50    | Sequence 50, Appl |
| 393 | 72.5 | 14.6 | 461  | 3 | US-10-410-930A-32   | Sequence 32, Appl  | 466 | 68   | 13.7 | 224  | 2 | US-08-706-945D-137   | Sequence 137, App |
| 394 | 72.5 | 14.6 | 461  | 3 | US-11-393-893-152   | Sequence 152, App  | 466 | 68   | 13.7 | 224  | 2 | US-08-577-788C-51    | Sequence 51, Appl |
| 395 | 72.5 | 14.6 | 461  | 3 | US-11-393-893-155   | Sequence 155, App  | 468 | 68   | 13.7 | 224  | 3 | US-09-613-591F-134   | Sequence 134, App |
| 396 | 72.5 | 14.6 | 461  | 3 | US-11-429-373-467   | Sequence 462, App  | 469 | 68   | 13.7 | 427  | 2 | US-09-086-483A-4     | Sequence 4, Appli |
| 397 | 72.5 | 14.6 | 461  | 3 | US-11-429-373-467   | Sequence 467, App  | 470 | 68   | 13.7 | 427  | 2 | US-09-041-886-2      | Sequence 2, Appli |
| 398 | 72.5 | 14.6 | 461  | 7 | 5395760-2           | Patent No. 5395760 | 471 | 68   | 13.7 | 427  | 2 | US-09-006-353A-5     | Sequence 5, Appli |
| 399 | 72.5 | 14.6 | 471  | 3 | US-10-966-673-66    | Sequence 66, Appl  | 472 | 68   | 13.7 | 427  | 2 | US-09-573-986-5      | Sequence 5, Appli |
| 400 | 72.5 | 14.6 | 471  | 3 | US-10-966-673-67    | Sequence 67, Appl  | 473 | 68   | 13.7 | 427  | 2 | US-09-580-212-4      | Sequence 4, Appli |
| 401 | 72.5 | 14.6 | 471  | 3 | US-10-966-673-68    | Sequence 68, Appl  | 474 | 68   | 13.7 | 427  | 2 | US-09-769-402-4      | Sequence 4, Appli |
| 402 | 72.5 | 14.6 | 486  | 1 | US-08-243-010-1     | Sequence 1, Appli  | 475 | 68   | 13.7 | 427  | 2 | US-09-748-537-13     | Sequence 13, Appl |
| 403 | 72.5 | 14.6 | 490  | 3 | US-08-243-010-1     | Sequence 4, Appli  | 476 | 68   | 13.7 | 427  | 2 | US-10-092-138A-24    | Sequence 24, Appl |
| 404 | 72.5 | 14.6 | 490  | 3 | US-09-363-427-4     | Sequence 4, Appli  | 477 | 68   | 13.7 | 427  | 2 | US-09-949-016-6233   | Sequence 24, Appl |
| 405 | 72.5 | 14.6 | 491  | 2 | US-09-949-016-7840  | Sequence 7840, Ap  | 478 | 68   | 13.7 | 427  | 2 | US-08-681-219A-24    | Sequence 4, Appli |
| 406 | 72.5 | 14.6 | 501  | 3 | US-09-285-531A-2    | Sequence 2, Appli  | 479 | 68   | 13.7 | 427  | 2 | US-10-280-047-4      | Sequence 4, Appli |
| 407 | 72.5 | 14.6 | 518  | 1 | US-08-385-229-4     | Sequence 4, Appli  | 480 | 68   | 13.7 | 427  | 2 | US-09-826-212A-5     | Sequence 5, Appli |
| 408 | 72.5 | 14.6 | 518  | 2 | US-09-579-845-1     | Sequence 1, Appli  | 481 | 68   | 13.7 | 455  | 2 | US-09-518-931-7      | Sequence 7, Appli |
| 409 | 72.5 | 14.6 | 518  | 3 | US-09-579-845-3     | Sequence 3, Appli  | 482 | 68   | 13.7 | 455  | 2 | US-09-527-236A-4     | Sequence 4, Appli |
| 410 | 72.5 | 14.6 | 659  | 3 | US-10-423-507-1     | Sequence 12, Appl  | 483 | 68   | 13.7 | 455  | 2 | US-09-756-854-4      | Sequence 4, Appli |
| 411 | 72.5 | 14.6 | 720  | 3 | US-10-363-427-12    | Sequence 8, Appli  | 484 | 68   | 13.7 | 455  | 2 | US-10-041-574-4      | Sequence 4, Appli |
| 412 | 72.5 | 14.6 | 844  | 3 | US-10-363-427-8     | Sequence 8, Appli  | 485 | 68   | 13.7 | 455  | 2 | US-09-095-094-4      | Sequence 4, Appli |
| 413 | 72.5 | 14.6 | 844  | 3 | US-10-775-204-246   | Sequence 246, App  | 486 | 68   | 13.7 | 464  | 2 | US-09-949-016-9441   | Sequence 9441, Ap |
| 414 | 72.5 | 14.6 | 844  | 3 | US-10-775-204-251   | Sequence 251, App  | 487 | 68   | 13.7 | 483  | 2 | US-09-252-991A-19884 | Sequence 19884, A |
| 415 | 72.5 | 14.6 | 844  | 3 | US-10-775-180-83    | Sequence 83, Appl  | 488 | 68   | 13.7 | 3075 | 1 | US-08-460-309-5      | Sequence 5, Appli |
| 416 | 72.5 | 14.6 | 844  | 3 | US-11-393-893-83    | Sequence 86, Appl  | 489 | 68   | 13.7 | 3075 | 1 | US-08-125-077-5      | Sequence 5, Appli |
| 417 | 72.5 | 14.6 | 844  | 3 | US-11-393-893-86    | Sequence 85, Appl  | 490 | 67   | 13.5 | 317  | 2 | US-09-383-586-20     | Sequence 20, Appl |
| 418 | 72.5 | 14.6 | 844  | 3 | US-11-429-373-246   | Sequence 246, App  | 491 | 67   | 13.5 | 317  | 2 | US-09-823-038A-20    | Sequence 5, Appli |
| 419 | 72.5 | 14.6 | 844  | 3 | US-11-429-373-251   | Sequence 251, App  | 492 | 67   | 13.5 | 1101 | 2 | US-09-561-709B-5     | Sequence 5, Appli |
| 420 | 71.5 | 14.4 | 453  | 2 | US-09-171-461-48    | Sequence 48, Appl  | 493 | 67   | 13.5 | 1398 | 3 | US-10-055-877-46     | Sequence 46, Appl |
| 421 | 71.5 | 14.4 | 453  | 2 | US-09-970-711-48    | Sequence 48, Appl  | 494 | 67   | 13.5 | 1403 | 3 | US-10-055-877-52     | Sequence 52, Appl |
| 422 | 71.5 | 14.4 | 470  | 2 | US-10-915-160-4     | Sequence 4, Appli  | 495 | 67   | 13.5 | 1404 | 3 | US-10-055-877-44     | Sequence 44, Appl |
| 423 | 71.5 | 14.4 | 1574 | 3 | US-10-055-877-211   | Sequence 211, App  | 496 | 67   | 13.5 | 1450 | 3 | US-10-055-877-48     | Sequence 48, Appl |
| 424 | 71   | 14.3 | 593  | 1 | US-07-668-648-4     | Sequence 4, Appli  | 497 | 67   | 13.5 | 1577 | 3 | US-10-055-877-54     | Sequence 54, Appl |
| 425 | 71   | 14.3 | 593  | 1 | US-08-429-998-4     | Sequence 4, Appli  | 498 | 67   | 13.5 | 1620 | 2 | US-10-055-877-213    | Sequence 213, App |
| 426 | 71   | 14.3 | 593  | 1 | US-08-431-333-4     | Sequence 4, Appli  | 499 | 67   | 13.5 | 1761 | 2 | US-09-561-709B-1     | Sequence 1, Appli |
| 427 | 71   | 14.3 | 593  | 2 | US-09-91-862-17     | Sequence 17, Appl  | 500 | 67   | 13.5 | 2321 | 2 | US-09-230-652-2      | Sequence 2, Appli |
| 428 | 71   | 14.3 | 593  | 2 | US-09-813-156-17    | Sequence 17, Appl  | 501 | 67   | 13.5 | 2321 | 2 | US-09-612-226B-2     | Sequence 2, Appli |
| 429 | 71   | 14.3 | 593  | 2 | US-09-456-886-17    | Sequence 17, Appl  | 502 | 67   | 13.5 | 2321 | 3 | US-10-356-625-2      | Sequence 2, Appli |
| 430 | 71   | 14.3 | 593  | 2 | US-09-824-647-17    | Sequence 17, Appl  | 503 | 66.5 | 13.4 | 589  | 1 | US-07-668-648-6      | Sequence 6, Appli |
| 431 | 71   | 14.3 | 593  | 2 | US-09-880-842-17    | Sequence 17, Appl  | 504 | 66.5 | 13.4 | 589  | 1 | US-08-429-998-2      | Sequence 2, Appli |
| 432 | 71   | 14.3 | 593  | 3 | US-10-281-160-17    | Sequence 4, Appli  | 505 | 66.5 | 13.4 | 589  | 1 | US-08-429-998-6      | Sequence 6, Appli |
| 433 | 71   | 14.3 | 593  | 5 | PCT-US91-02321-4    | Sequence 4, Appli  | 506 | 66.5 | 13.4 | 589  | 1 | US-08-431-333-2      | Sequence 2, Appli |
| 434 | 71   | 14.3 | 613  | 2 | US-09-949-016-9775  | Sequence 9775, Ap  | 507 | 66.5 | 13.4 | 589  | 1 | US-08-431-333-6      | Sequence 6, Appli |
| 435 | 69   | 13.9 | 575  | 2 | US-09-949-016-11264 | Sequence 11264, A  | 508 | 66.5 | 13.4 | 589  | 2 | US-08-991-862-2      | Sequence 2, Appli |
| 436 | 69   | 13.9 | 575  | 2 | US-09-949-016-11265 | Sequence 11265, A  | 509 | 66.5 | 13.4 | 589  | 2 | US-08-991-862-2      | Sequence 2, Appli |
| 437 | 69   | 13.9 | 575  | 2 | US-09-949-016-11266 | Sequence 11266, A  | 510 | 66.5 | 13.4 | 589  | 2 | US-08-813-156-2      | Sequence 2, Appli |
| 438 | 69   | 13.9 | 575  | 2 | US-09-949-016-11267 | Sequence 11267, A  | 511 | 66.5 | 13.4 | 589  | 2 | US-09-456-886-2      | Sequence 2, Appli |
| 439 | 69   | 13.9 | 657  | 2 | US-09-949-016-11365 | Sequence 11365, A  | 512 | 66.5 | 13.4 | 589  | 2 | US-09-824-647-2      | Sequence 2, Appli |
| 440 | 69   | 13.9 | 657  | 2 | US-09-949-016-11366 | Sequence 11366, A  | 513 | 66.5 | 13.4 | 589  | 2 | US-09-880-842-2      | Sequence 2, Appli |
| 441 | 69   | 13.9 | 657  | 2 | US-09-949-016-11367 | Sequence 11367, A  | 514 | 66.5 | 13.4 | 589  | 3 | US-10-281-160-2      | Sequence 2, Appli |
| 442 | 69   | 13.9 | 657  | 2 | US-09-949-016-11368 | Sequence 11368, A  | 515 | 66.5 | 13.4 | 589  | 3 | PCT-US91-02321-6     | Sequence 6, Appli |
| 443 | 69   | 13.9 | 677  | 2 | US-09-949-016-11369 | Sequence 11369, A  | 516 | 66.5 | 13.4 | 589  | 5 | PCT-US91-02321-6     | Sequence 108, App |
| 444 | 69   | 13.9 | 677  | 2 | US-09-949-016-11370 | Sequence 11370, A  | 517 | 66.5 | 13.4 | 714  | 3 | US-10-042-865-108    | Sequence 10, Appl |
| 445 | 69   | 13.9 | 677  | 2 | US-09-949-016-11371 | Sequence 11371, A  | 518 | 66.5 | 13.4 | 1587 | 2 | US-09-561-709B-3     | Sequence 3, Appli |
| 446 | 69   | 13.9 | 677  | 2 | US-09-949-016-11372 | Sequence 11372, A  | 519 | 66.5 | 13.4 | 1587 | 2 | US-09-750-972-2      | Sequence 2, Appli |
| 447 | 68.5 | 13.8 | 1172 | 3 | US-10-296-733A-24   | Sequence 24, Appl  | 520 | 66.5 | 13.4 | 1545 | 3 | US-09-750-972-2      | Sequence 2, Appli |
| 448 | 68   | 13.7 | 122  | 2 | US-09-489-847-189   | Sequence 189, App  | 521 | 66   | 13.3 | 4545 | 3 | US-09-625-137B-2     | Sequence 19, Appl |
| 449 | 68   | 13.7 | 159  | 1 | US-08-219-237B-6    | Sequence 6, Appli  | 522 | 66   | 13.3 | 1172 | 1 | US-08-313-288B-19    | Sequence 6333, Ap |
| 450 | 68   | 13.7 | 159  | 2 | US-08-476-862-6     | Sequence 15, Appl  | 523 | 66   | 13.3 | 1172 | 2 | US-09-949-016-6333   | Sequence 26, Appl |
| 451 | 68   | 13.7 | 159  | 2 | US-08-468-560C-6    | Sequence 6, Appli  | 524 | 66   | 13.3 | 1172 | 3 | US-10-296-733A-26    | Sequence 48, Appl |
| 452 | 68   | 13.7 | 159  | 2 | US-08-828-683A-16   | Sequence 16, Appl  | 525 | 66   | 13.3 | 3712 | 2 | US-10-037-417-48     | Sequence 51, Appl |
| 453 | 68   | 13.7 | 159  | 2 | US-09-800-909-6     | Sequence 6, Appli  | 526 | 66   | 13.3 | 3712 | 2 | US-10-037-417-51     | Sequence 128595,  |
| 454 | 68   | 13.7 | 159  | 2 | US-09-800-909-15    | Sequence 15, Appl  | 527 | 65.5 | 13.2 | 144  | 3 | US-10-703-032-128595 | Sequence 132027,  |
| 455 | 68   | 13.7 | 159  | 2 | US-09-884-987-6     | Sequence 6, Appli  | 528 | 65.5 | 13.2 | 178  | 3 | US-10-703-032-132027 | Sequence 177, App |
| 456 | 68   | 13.7 | 179  | 1 | US-07-668-648-8     | Sequence 8, Appli  | 529 | 65.5 | 13.2 | 179  | 2 | US-09-148-545-177    | Sequence 177, App |
| 457 | 68   | 13.7 | 179  | 1 | US-08-429-998-8     | Sequence 8, Appli  | 530 | 65.5 | 13.2 | 179  | 2 | US-09-621-011-177    | Sequence 177, App |
| 458 | 68   | 13.7 | 179  | 1 | US-08-431-333-8     | Sequence 8, Appli  | 531 | 65.5 | 13.2 | 179  | 3 | US-09-981-876-177    | Sequence 3287, Ap |
| 459 | 68   | 13.7 | 179  | 1 | PCT-US91-02321-8    | Sequence 8, Appli  | 532 | 65.5 | 13.2 | 182  | 2 | US-10-104-047-3287   | Sequence 198, App |
| 460 | 68   | 13.7 | 179  | 5 | US-08-974-022-50    | Sequence 50, Appl  | 533 | 65.5 | 13.2 | 683  | 2 | US-08-979-847B-198   | Sequence 200, App |
| 461 | 68   | 13.7 | 224  | 2 | US-08-795-445A-50   | Sequence 50, Appl  | 534 | 65.5 | 13.2 | 683  | 2 | US-08-979-847B-200   | Sequence 208, App |
| 462 | 68   | 13.7 | 224  | 2 | US-08-795-447A-50   | Sequence 50, Appl  | 535 | 65.5 | 13.2 | 683  | 2 | US-08-979-847B-210   | Sequence 210, App |
| 463 | 68   | 13.7 | 224  | 2 | US-08-974-186-50    | Sequence 50, Appl  | 536 | 65.5 | 13.2 | 720  | 2 | US-08-872-855-4      | Sequence 4, Appli |
| 464 | 68   | 13.7 | 224  | 2 | US-08-974-186-50    | Sequence 50, Appl  | 537 | 65.5 | 13.2 |      |   |                      |                   |

|     |      |      |      |   |                      |                     |     |      |      |      |   |                      |                    |
|-----|------|------|------|---|----------------------|---------------------|-----|------|------|------|---|----------------------|--------------------|
| 538 | 65.5 | 13.2 | 722  | 2 | US-08-981-392-12     | Sequence 12, Appl   | 611 | 62   | 12.4 | 415  | 1 | US-08-833-642A-5     | Sequence 5, Appl   |
| 539 | 65.5 | 13.2 | 722  | 2 | US-09-908-322-12     | Sequence 12, Appl   | 612 | 62   | 12.4 | 415  | 2 | US-08-709-974A-4     | Sequence 4, Appl   |
| 540 | 65.5 | 13.2 | 722  | 3 | US-09-310-685-14     | Sequence 14, Appl   | 613 | 62   | 12.4 | 415  | 2 | US-09-069-632-1      | Sequence 1, Appl   |
| 541 | 65.5 | 13.2 | 722  | 3 | US-09-783-931C-12    | Sequence 12, Appl   | 614 | 62   | 12.4 | 435  | 1 | US-08-361-920-27     | Sequence 27, Appl  |
| 542 | 65.5 | 13.2 | 722  | 3 | US-10-042-865-107    | Sequence 107, App   | 615 | 62   | 12.4 | 435  | 1 | US-08-479-939-27     | Sequence 27, Appl  |
| 543 | 65.5 | 13.2 | 768  | 2 | US-08-979-847B-89    | Sequence 89, Appl   | 616 | 62   | 12.4 | 435  | 1 | US-08-483-432-27     | Sequence 27, Appl  |
| 544 | 65.5 | 13.2 | 2213 | 1 | US-08-727-034-3      | Sequence 3, Appl    | 617 | 62   | 12.4 | 435  | 2 | US-09-069-632-3      | Sequence 3, Appl   |
| 545 | 65.5 | 13.2 | 2471 | 1 | US-08-185-432-16     | Sequence 16, Appl   | 618 | 62   | 12.4 | 435  | 2 | US-08-981-392-13     | Sequence 13, Appl  |
| 546 | 65.5 | 13.2 | 2471 | 1 | US-08-083-590A-19    | Sequence 19, Appl   | 619 | 62   | 12.4 | 578  | 2 | US-09-908-322-13     | Sequence 13, Appl  |
| 547 | 65.5 | 13.2 | 2471 | 2 | US-08-532-384-19     | Sequence 19, Appl   | 620 | 62   | 12.4 | 578  | 3 | US-09-783-931C-13    | Sequence 13, Appl  |
| 548 | 65.5 | 13.2 | 2471 | 2 | US-08-899-232-1      | Sequence 1, Appl    | 621 | 62   | 12.4 | 623  | 3 | US-10-496-799-3      | Sequence 3, Appl   |
| 549 | 65.5 | 13.2 | 2471 | 2 | US-09-121-457-1      | Sequence 1, Appl    | 622 | 62   | 12.4 | 831  | 2 | US-09-939-853A-97    | Sequence 97, Appl  |
| 550 | 65   | 13.1 | 116  | 3 | US-10-703-032-156175 | Sequence 156175, Ap | 623 | 62   | 12.4 | 831  | 2 | US-09-939-853A-98    | Sequence 98, Appl  |
| 551 | 65   | 13.1 | 142  | 2 | US-10-094-749-1973   | Sequence 1973, Ap   | 624 | 62   | 12.4 | 998  | 1 | US-08-449-645A-20    | Sequence 20, Appl  |
| 552 | 65   | 13.1 | 166  | 3 | US-10-703-032-117513 | Sequence 117513, A  | 625 | 62   | 12.4 | 998  | 1 | US-08-702-367A-20    | Sequence 20, Appl  |
| 553 | 65   | 13.1 | 236  | 2 | US-09-252-991A-25980 | Sequence 25980, A   | 626 | 62   | 12.4 | 998  | 2 | PCT-US95-04681-20    | Sequence 20, Appl  |
| 554 | 65   | 13.1 | 993  | 1 | US-08-348-143-1      | Sequence 1, Appl    | 627 | 62   | 12.4 | 998  | 5 | PCT-US95-04681-20    | Sequence 20, Appl  |
| 555 | 65   | 13.1 | 993  | 1 | US-08-571-785-1      | Sequence 1, Appl    | 628 | 62   | 12.4 | 1068 | 1 | US-08-537-210A-2     | Sequence 2, Appl   |
| 556 | 65   | 13.1 | 993  | 1 | US-09-192-435-1      | Sequence 1, Appl    | 629 | 62   | 12.4 | 1068 | 2 | US-09-113-825-2      | Sequence 2, Appl   |
| 557 | 65   | 13.1 | 993  | 2 | US-09-558-340-1      | Sequence 1, Appl    | 630 | 62   | 12.4 | 1113 | 2 | US-09-959-392-4      | Sequence 2, Appl   |
| 558 | 64.5 | 13.0 | 77   | 2 | US-08-866-545-2      | Sequence 2, Appl    | 631 | 62   | 12.4 | 1150 | 3 | US-10-296-733A-1     | Sequence 1, Appl   |
| 559 | 64.5 | 13.0 | 77   | 2 | US-09-627-775-2      | Sequence 2, Appl    | 632 | 62   | 12.4 | 1170 | 1 | US-08-313-288B-20    | Sequence 20, Appl  |
| 560 | 64.5 | 13.0 | 299  | 2 | US-09-188-930-192    | Sequence 192, App   | 633 | 62   | 12.4 | 1833 | 2 | US-08-479-722B-2     | Sequence 2, Appl   |
| 561 | 64.5 | 13.0 | 299  | 2 | US-09-188-930-332    | Sequence 332, App   | 634 | 62   | 12.4 | 1833 | 2 | US-09-592-685-2      | Sequence 2, Appl   |
| 562 | 64.5 | 13.0 | 299  | 2 | US-09-312-283C-192   | Sequence 192, App   | 635 | 62   | 12.4 | 1833 | 5 | PCT-US95-02251-18    | Sequence 18, Appl  |
| 563 | 64.5 | 13.0 | 299  | 2 | US-09-312-283C-332   | Sequence 332, App   | 636 | 62   | 12.4 | 2556 | 1 | US-08-185-432-17     | Sequence 17, Appl  |
| 564 | 64.5 | 13.0 | 310  | 3 | US-10-703-032-140673 | Sequence 140673, A  | 637 | 62   | 12.4 | 2556 | 2 | US-08-532-384-20     | Sequence 20, Appl  |
| 565 | 64.5 | 13.0 | 1581 | 2 | US-09-949-002-414    | Sequence 414, App   | 638 | 62   | 12.4 | 2556 | 2 | US-08-899-232-2      | Sequence 2, Appl   |
| 566 | 64.5 | 13.0 | 1587 | 2 | US-09-949-002-354    | Sequence 354, App   | 639 | 62   | 12.4 | 2556 | 2 | US-09-121-457-2      | Sequence 2, Appl   |
| 567 | 64.5 | 13.0 | 2214 | 1 | US-08-727-034-7      | Sequence 7, Appl    | 640 | 62   | 12.4 | 105  | 3 | US-10-031-331C-34    | Sequence 34, Appl  |
| 568 | 64.5 | 13.0 | 2214 | 2 | US-09-919-039-40     | Sequence 40, Appl   | 641 | 61.5 | 12.3 | 156  | 2 | US-09-270-767-33322  | Sequence 33322, A  |
| 569 | 64.5 | 13.0 | 3635 | 2 | US-08-845-583A-2     | Sequence 2, Appl    | 642 | 61.5 | 12.3 | 156  | 2 | US-09-270-767-48539  | Sequence 48539, A  |
| 570 | 64.5 | 13.0 | 3635 | 2 | US-10-037-417-47     | Sequence 47, Appl   | 643 | 61.5 | 12.3 | 277  | 1 | US-08-147-784-2      | Sequence 2, Appl   |
| 571 | 64.5 | 13.0 | 3635 | 2 | US-10-037-182-4      | Sequence 4, Appl    | 644 | 61.5 | 12.3 | 277  | 2 | US-08-195-967-2      | Sequence 2, Appl   |
| 572 | 64   | 12.9 | 159  | 1 | US-08-232-087A-11    | Sequence 11, Appl   | 645 | 61.5 | 12.3 | 277  | 2 | US-09-006-353A-12    | Sequence 12, Appl  |
| 573 | 64   | 12.9 | 425  | 2 | US-09-748-537-14     | Sequence 14, Appl   | 646 | 61.5 | 12.3 | 277  | 2 | US-08-472-940-2      | Sequence 2, Appl   |
| 574 | 64   | 12.9 | 1282 | 2 | US-09-949-016-10099  | Sequence 10099, A   | 647 | 61.5 | 12.3 | 277  | 2 | US-09-573-986-12     | Sequence 12, Appl  |
| 575 | 63.5 | 12.8 | 94   | 2 | US-09-950-933A-44    | Sequence 44, Appl   | 648 | 61.5 | 12.3 | 277  | 2 | US-09-880-939-2      | Sequence 2, Appl   |
| 576 | 63.5 | 12.8 | 94   | 3 | US-10-976-102-44     | Sequence 44, Appl   | 649 | 61.5 | 12.3 | 277  | 2 | US-09-804-200-2      | Sequence 2, Appl   |
| 577 | 63.5 | 12.8 | 121  | 2 | US-10-002-344A-257   | Sequence 257, App   | 650 | 61.5 | 12.3 | 277  | 2 | US-10-046-433-3      | Sequence 3, Appl   |
| 578 | 63.5 | 12.8 | 163  | 2 | US-09-252-991A-29129 | Sequence 29129, A   | 651 | 61.5 | 12.3 | 277  | 3 | US-09-826-212A-12    | Sequence 12, Appl  |
| 579 | 63.5 | 12.8 | 194  | 2 | US-09-252-991A-32646 | Sequence 32646, A   | 652 | 61.5 | 12.3 | 277  | 3 | US-10-323-274C-2     | Sequence 2, Appl   |
| 580 | 63.5 | 12.8 | 713  | 2 | US-08-872-855-5      | Sequence 5, Appl    | 653 | 61.5 | 12.3 | 277  | 3 | US-10-326-929A-2     | Sequence 2, Appl   |
| 581 | 63.5 | 12.8 | 728  | 2 | US-08-981-392-2      | Sequence 2, Appl    | 654 | 61.5 | 12.3 | 277  | 3 | US-09-518-931-14     | Sequence 14, Appl  |
| 582 | 63.5 | 12.8 | 728  | 2 | US-09-908-322-2      | Sequence 2, Appl    | 655 | 61.5 | 12.3 | 277  | 3 | US-10-104-047-2580   | Sequence 2580, Ap  |
| 583 | 63.5 | 12.8 | 728  | 2 | US-09-310-685-11     | Sequence 11, Appl   | 656 | 61.5 | 12.3 | 2157 | 2 | US-09-466-778-2      | Sequence 2, Appl   |
| 584 | 63.5 | 12.8 | 728  | 3 | US-09-783-931C-2     | Sequence 2, Appl    | 657 | 61.5 | 12.3 | 2157 | 3 | US-10-960-275-2      | Sequence 2, Appl   |
| 585 | 63.5 | 12.8 | 729  | 2 | US-08-872-855-8      | Sequence 8, Appl    | 658 | 61.5 | 12.3 | 3571 | 2 | US-09-911-842A-2     | Sequence 2, Appl   |
| 586 | 63.5 | 12.8 | 841  | 2 | US-08-897-427A-2     | Sequence 2, Appl    | 659 | 61.5 | 12.3 | 3571 | 3 | US-10-150-821-2      | Sequence 2, Appl   |
| 587 | 63.5 | 12.8 | 841  | 3 | US-10-770-127-197    | Sequence 197, App   | 660 | 61   | 12.2 | 233  | 3 | US-10-703-032-114880 | Sequence 114880, A |
| 588 | 63.5 | 12.8 | 841  | 3 | US-10-726-568-17     | Sequence 17, Appl   | 661 | 61   | 12.2 | 359  | 2 | US-09-270-767-42534  | Sequence 42534, A  |
| 589 | 63.5 | 12.8 | 841  | 3 | US-10-035-045A-17    | Sequence 17, Appl   | 662 | 61   | 12.2 | 1170 | 2 | US-09-657-472-2      | Sequence 2, Appl   |
| 590 | 63.5 | 12.8 | 841  | 3 | US-09-799-629-17     | Sequence 17, Appl   | 663 | 61   | 12.2 | 1170 | 2 | US-09-949-002-350    | Sequence 350, App  |
| 591 | 63.5 | 12.8 | 2743 | 2 | US-10-037-182-36     | Sequence 36, Appl   | 664 | 61   | 12.2 | 1251 | 5 | PCT-US95-02251-3     | Sequence 3, Appl   |
| 592 | 63.5 | 12.8 | 3647 | 2 | US-09-949-016-10932  | Sequence 10932, A   | 665 | 61   | 12.2 | 1251 | 1 | US-08-199-780-3      | Sequence 3, Appl   |
| 593 | 63.5 | 12.8 | 3695 | 2 | US-10-037-182-2      | Sequence 2, Appl    | 666 | 61   | 12.2 | 1252 | 1 | US-08-316-650-3      | Sequence 3, Appl   |
| 594 | 63   | 12.7 | 129  | 2 | US-10-104-047-2669   | Sequence 2669, Ap   | 667 | 61   | 12.2 | 1252 | 1 | US-08-276-967-2      | Sequence 2, Appl   |
| 595 | 63   | 12.7 | 969  | 3 | US-10-055-877-214    | Sequence 214, App   | 668 | 61   | 12.2 | 2476 | 1 | US-10-703-032-122834 | Sequence 122834, A |
| 596 | 63   | 12.7 | 3597 | 2 | US-10-037-417-6      | Sequence 6, Appl    | 669 | 60.5 | 12.1 | 121  | 3 | US-09-252-991A-22362 | Sequence 22362, A  |
| 597 | 63   | 12.7 | 3600 | 2 | US-10-037-417-2      | Sequence 2, Appl    | 670 | 60.5 | 12.1 | 170  | 2 | US-09-252-991A-31718 | Sequence 31718, A  |
| 598 | 62.5 | 12.6 | 143  | 3 | US-10-703-032-110377 | Sequence 110377, A  | 671 | 60.5 | 12.1 | 357  | 2 | US-10-703-032-112954 | Sequence 112954, A |
| 599 | 62.5 | 12.6 | 277  | 2 | US-08-469-633A-4     | Sequence 4, Appl    | 672 | 60.5 | 12.1 | 371  | 3 | US-09-635-872A-6     | Sequence 6, Appl   |
| 600 | 62.5 | 12.6 | 297  | 2 | US-09-270-767-44071  | Sequence 44071, A   | 673 | 60.5 | 12.1 | 515  | 2 | US-09-636-077A-6     | Sequence 6, Appl   |
| 601 | 62.5 | 12.6 | 1080 | 2 | US-09-904-380-2      | Sequence 2, Appl    | 674 | 60.5 | 12.1 | 515  | 2 | US-09-986-552-6      | Sequence 6, Appl   |
| 602 | 62.5 | 12.6 | 1140 | 3 | US-10-055-877-215    | Sequence 215, App   | 675 | 60.5 | 12.1 | 515  | 2 | US-09-636-060C-6     | Sequence 6, Appl   |
| 603 | 62.5 | 12.6 | 5179 | 2 | US-09-538-092-1258   | Sequence 1258, Ap   | 676 | 60.5 | 12.1 | 515  | 2 | US-09-636-060C-6     | Sequence 6, Appl   |
| 604 | 62   | 12.4 | 235  | 2 | US-09-252-991A-32322 | Sequence 32322, A   | 677 | 60.5 | 12.1 | 515  | 2 | US-10-023-894-18     | Sequence 18, Appl  |
| 605 | 62   | 12.4 | 148  | 2 | US-09-902-540A-15031 | Sequence 15031, A   | 678 | 60.5 | 12.1 | 515  | 2 | US-10-023-894-18     | Sequence 18, Appl  |
| 606 | 62   | 12.4 | 383  | 1 | US-08-597-545-2      | Sequence 2, Appl    | 679 | 60.5 | 12.1 | 515  | 2 | US-10-306-686-6      | Sequence 6, Appl   |
| 607 | 62   | 12.4 | 383  | 1 | US-08-457-135-2      | Sequence 2, Appl    | 680 | 60.5 | 12.1 | 515  | 2 | US-09-895-072-6      | Sequence 6, Appl   |
| 608 | 62   | 12.4 | 402  | 1 | US-08-709-979A-3     | Sequence 3, Appl    | 681 | 60.5 | 12.1 | 515  | 2 | US-10-023-888-18     | Sequence 18, Appl  |
| 609 | 62   | 12.4 | 402  | 2 | US-08-709-974A-1     | Sequence 1, Appl    | 682 | 60.5 | 12.1 | 515  | 3 | US-10-657-280-6      | Sequence 6, Appl   |
| 610 | 62   | 12.4 | 402  | 2 | US-08-709-974A-5     | Sequence 5, Appl    | 683 | 60.5 | 12.1 | 515  | 3 | US-10-901-216-18     | Sequence 18, Appl  |

|     |      |      |      |   |                     |                   |     |      |      |      |   |                      |                    |
|-----|------|------|------|---|---------------------|-------------------|-----|------|------|------|---|----------------------|--------------------|
| 684 | 60.5 | 12.1 | 520  | 2 | US-09-068-740A-3    | Sequence 3, Appli | 757 | 60   | 12.0 | 399  | 3 | US-10-696-900-9      | Sequence 9, Appli  |
| 685 | 60.5 | 12.1 | 520  | 3 | US-09-395-593A-3    | Sequence 3, Appli | 758 | 60   | 12.0 | 546  | 2 | US-09-949-016-10394  | Sequence 10394, A  |
| 686 | 60.5 | 12.1 | 520  | 3 | US-11-043-357-3     | Sequence 3, Appli | 759 | 60   | 12.0 | 623  | 2 | US-09-807-802A-2     | Sequence 2, Appli  |
| 687 | 60.5 | 12.1 | 520  | 3 | US-11-051-631-3     | Sequence 3, Appli | 760 | 60   | 12.0 | 623  | 2 | US-09-807-802A-5     | Sequence 5, Appli  |
| 688 | 60.5 | 12.1 | 606  | 2 | US-09-460-295B-12   | Sequence 12, Appl | 761 | 60   | 12.0 | 623  | 3 | US-10-896-282-2      | Sequence 2, Appli  |
| 689 | 60.5 | 12.1 | 606  | 2 | US-10-712-584-12    | Sequence 12, Appl | 762 | 60   | 12.0 | 623  | 3 | US-10-896-282-5      | Sequence 5, Appli  |
| 690 | 60.5 | 12.1 | 702  | 2 | US-09-068-740A-4    | Sequence 4, Appli | 763 | 60   | 12.0 | 623  | 3 | US-10-696-900-2      | Sequence 2, Appli  |
| 691 | 60.5 | 12.1 | 702  | 3 | US-09-395-593A-4    | Sequence 4, Appli | 764 | 60   | 12.0 | 623  | 3 | US-10-696-900-5      | Sequence 5, Appli  |
| 692 | 60.5 | 12.1 | 702  | 3 | US-11-043-357-4     | Sequence 4, Appli | 765 | 60   | 12.0 | 651  | 1 | US-08-264-101-2      | Sequence 2, Appli  |
| 693 | 60.5 | 12.1 | 702  | 3 | US-11-051-631-4     | Sequence 4, Appli | 766 | 60   | 12.0 | 651  | 1 | US-08-264-101-2      | Sequence 2, Appli  |
| 694 | 60.5 | 12.1 | 723  | 2 | US-09-068-740A-9    | Sequence 9, Appli | 767 | 60   | 12.0 | 734  | 1 | PCT-US95-07295-2     | Sequence 2, Appli  |
| 695 | 60.5 | 12.1 | 723  | 2 | US-09-423-753-27    | Sequence 27, Appl | 768 | 60   | 12.0 | 734  | 1 | PCT-US95-07295-8     | Sequence 8, Appli  |
| 696 | 60.5 | 12.1 | 723  | 2 | US-08-641-612-6     | Sequence 6, Appli | 769 | 60   | 12.0 | 734  | 1 | PCT-US95-07295-8     | Sequence 8, Appli  |
| 697 | 60.5 | 12.1 | 723  | 3 | US-10-241-476-27    | Sequence 27, Appl | 770 | 60   | 12.0 | 735  | 1 | US-10-232-972E-10    | Sequence 10, Appl  |
| 698 | 60.5 | 12.1 | 723  | 3 | US-10-123-292-346   | Sequence 346, App | 771 | 60   | 12.0 | 1227 | 2 | US-09-252-991A-16636 | Sequence 16636, A  |
| 699 | 60.5 | 12.1 | 723  | 3 | US-10-152-398-346   | Sequence 346, App | 772 | 59.5 | 11.9 | 78   | 3 | US-10-703-032-139163 | Sequence 139163, A |
| 700 | 60.5 | 12.1 | 723  | 3 | US-10-123-907-346   | Sequence 346, App | 773 | 59.5 | 11.9 | 101  | 2 | US-09-950-933A-88    | Sequence 88, Appl  |
| 701 | 60.5 | 12.1 | 723  | 3 | US-10-147-512-346   | Sequence 346, App | 774 | 59.5 | 11.9 | 101  | 3 | US-10-976-102-88     | Sequence 88, Appl  |
| 702 | 60.5 | 12.1 | 723  | 3 | US-10-147-485-346   | Sequence 346, App | 775 | 59.5 | 11.9 | 230  | 2 | US-09-252-991A-25728 | Sequence 25728, A  |
| 703 | 60.5 | 12.1 | 723  | 3 | US-10-124-814-346   | Sequence 346, App | 776 | 59.5 | 11.9 | 258  | 2 | US-09-252-991A-28812 | Sequence 28812, A  |
| 704 | 60.5 | 12.1 | 723  | 3 | US-10-124-822-346   | Sequence 346, App | 777 | 59.5 | 11.9 | 275  | 3 | US-10-703-032-141333 | Sequence 141333, A |
| 705 | 60.5 | 12.1 | 723  | 3 | US-09-995-593A-9    | Sequence 9, Appli | 778 | 59.5 | 11.9 | 340  | 2 | US-09-252-991A-18667 | Sequence 18667, A  |
| 706 | 60.5 | 12.1 | 723  | 3 | US-10-131-833A-346  | Sequence 346, App | 779 | 59.5 | 11.9 | 405  | 3 | US-09-540-209B-9253  | Sequence 9253, App |
| 707 | 60.5 | 12.1 | 723  | 3 | US-10-142-419-346   | Sequence 346, App | 780 | 59.5 | 11.9 | 886  | 2 | US-09-110-116-3      | Sequence 3, Appli  |
| 708 | 60.5 | 12.1 | 723  | 3 | US-10-142-375-346   | Sequence 346, App | 781 | 59.5 | 11.9 | 886  | 2 | US-09-631-603-14     | Sequence 14, Appl  |
| 709 | 60.5 | 12.1 | 723  | 3 | US-10-131-818A-346  | Sequence 346, App | 782 | 59.5 | 11.9 | 4544 | 1 | US-08-469-486-52     | Sequence 52, Appl  |
| 710 | 60.5 | 12.1 | 723  | 3 | US-11-043-357-9     | Sequence 9, Appli | 783 | 59.5 | 11.9 | 4544 | 1 | US-08-469-486-52     | Sequence 52, Appl  |
| 711 | 60.5 | 12.1 | 723  | 3 | US-10-145-873-346   | Sequence 346, App | 784 | 59   | 11.8 | 149  | 3 | US-10-703-032-152836 | Sequence 9, Appli  |
| 712 | 60.5 | 12.1 | 723  | 3 | US-10-152-395-346   | Sequence 346, App | 785 | 59   | 11.8 | 258  | 2 | US-09-579-845-9      | Sequence 9, Appli  |
| 713 | 60.5 | 12.1 | 723  | 3 | US-10-152-395-346   | Sequence 346, App | 786 | 59   | 11.8 | 298  | 2 | US-09-902-540-12595  | Sequence 12595, A  |
| 714 | 60.5 | 12.1 | 723  | 3 | US-10-131-822A-346  | Sequence 346, App | 787 | 59   | 11.8 | 315  | 3 | US-10-433-005A-10    | Sequence 10, Appl  |
| 715 | 60.5 | 12.1 | 723  | 3 | US-10-142-763-346   | Sequence 346, App | 788 | 59   | 11.8 | 315  | 3 | US-10-225-066A-994   | Sequence 994, App  |
| 716 | 60.5 | 12.1 | 723  | 3 | US-10-128-694A-346  | Sequence 346, App | 789 | 59   | 11.8 | 335  | 2 | US-10-425-066A-994   | Sequence 32163, A  |
| 717 | 60.5 | 12.1 | 723  | 3 | US-10-123-213-346   | Sequence 346, App | 790 | 59   | 11.8 | 348  | 3 | US-09-252-991A-32163 | Sequence 32163, A  |
| 718 | 60.5 | 12.1 | 723  | 3 | US-10-123-909-346   | Sequence 346, App | 791 | 59   | 11.8 | 348  | 3 | US-10-213-044-16     | Sequence 16, Appl  |
| 719 | 60.5 | 12.1 | 723  | 3 | US-11-051-631-9     | Sequence 9, Appli | 792 | 59   | 11.8 | 348  | 3 | US-10-245-913-74     | Sequence 74, Appl  |
| 720 | 60.5 | 12.1 | 723  | 3 | US-10-131-826A-346  | Sequence 346, App | 793 | 59   | 11.8 | 348  | 3 | US-10-245-913-74     | Sequence 74, Appl  |
| 721 | 60.5 | 12.1 | 723  | 3 | US-10-147-513-346   | Sequence 346, App | 794 | 59   | 11.8 | 348  | 3 | US-10-242-095-74     | Sequence 74, Appl  |
| 722 | 60.5 | 12.1 | 723  | 3 | US-10-121-043-346   | Sequence 346, App | 795 | 59   | 11.8 | 348  | 3 | US-10-242-095-74     | Sequence 74, Appl  |
| 723 | 60.5 | 12.1 | 723  | 3 | US-10-139-980-346   | Sequence 346, App | 796 | 59   | 11.8 | 348  | 3 | US-10-242-095-74     | Sequence 74, Appl  |
| 724 | 60.5 | 12.1 | 1073 | 2 | US-09-949-016-9771  | Sequence 9771, Ap | 797 | 59   | 11.8 | 372  | 2 | US-10-305-278-296    | Sequence 296, App  |
| 725 | 60.5 | 12.1 | 1104 | 1 | US-08-327-832-5     | Sequence 5, Appli | 798 | 59   | 11.8 | 474  | 1 | US-10-305-278-296    | Sequence 296, App  |
| 726 | 60.5 | 12.1 | 1104 | 1 | US-08-828-584-5     | Sequence 5, Appli | 799 | 59   | 11.8 | 474  | 1 | US-08-650-000-4      | Sequence 20108, A  |
| 727 | 60.5 | 12.1 | 1345 | 2 | US-09-949-016-8313  | Sequence 8313, Ap | 800 | 59   | 11.8 | 474  | 1 | US-08-650-000-4      | Sequence 4, Appli  |
| 728 | 60.5 | 12.1 | 1652 | 2 | US-09-627-650B-1    | Sequence 1, Appli | 801 | 59   | 11.8 | 474  | 1 | US-09-042-785A-8     | Sequence 8, Appli  |
| 729 | 60.5 | 12.1 | 1652 | 2 | US-09-436-063C-1    | Sequence 1, Appli | 802 | 59   | 11.8 | 474  | 1 | US-09-758-124-4      | Sequence 4, Appli  |
| 730 | 60.5 | 12.1 | 1652 | 2 | US-10-156-240-1     | Sequence 5, Appli | 803 | 59   | 11.8 | 474  | 1 | US-10-420-785A-4     | Sequence 4, Appli  |
| 731 | 60.5 | 12.1 | 1917 | 2 | US-09-627-650B-5    | Sequence 5, Appli | 804 | 59   | 11.8 | 836  | 3 | 5395760-4            | Patent No. 5395760 |
| 732 | 60.5 | 12.1 | 1917 | 2 | US-09-436-063C-5    | Sequence 5, Appli | 805 | 59   | 11.8 | 836  | 3 | US-10-108-260A-3700  | Sequence 3700, Ap  |
| 733 | 60.5 | 12.1 | 1917 | 2 | US-09-627-650B-7    | Sequence 7, Appli | 806 | 59   | 11.8 | 1253 | 2 | US-10-108-260A-3700  | Sequence 4, Appli  |
| 734 | 60.5 | 12.1 | 2508 | 2 | US-09-627-650B-7    | Sequence 7, Appli | 807 | 59   | 11.8 | 1253 | 2 | US-08-479-722B-4     | Sequence 4, Appli  |
| 735 | 60.5 | 12.1 | 2508 | 2 | US-10-156-240-7     | Sequence 7, Appli | 808 | 59   | 11.8 | 1253 | 2 | US-09-592-685-4      | Sequence 206, App  |
| 736 | 60.5 | 12.1 | 2544 | 2 | US-09-627-650B-3    | Sequence 3, Appli | 809 | 58.5 | 11.7 | 84   | 3 | US-09-992-600B-206   | Sequence 206, App  |
| 737 | 60.5 | 12.1 | 2544 | 2 | US-09-436-063C-3    | Sequence 3, Appli | 810 | 58.5 | 11.7 | 84   | 3 | US-09-992-600B-206   | Sequence 206, App  |
| 738 | 60.5 | 12.1 | 2544 | 2 | US-10-156-240-3     | Sequence 3, Appli | 811 | 58.5 | 11.7 | 84   | 3 | US-09-999-570A-206   | Sequence 206, App  |
| 739 | 60.5 | 12.1 | 2601 | 2 | US-09-627-650B-9    | Sequence 9, Appli | 812 | 58.5 | 11.7 | 99   | 3 | US-10-001-142C-206   | Sequence 206, App  |
| 740 | 60.5 | 12.1 | 2601 | 2 | US-09-436-063C-9    | Sequence 9, Appli | 813 | 58.5 | 11.7 | 139  | 3 | US-10-846-374B-192   | Sequence 192, App  |
| 741 | 60.5 | 12.1 | 2601 | 3 | US-10-156-240-9     | Sequence 9, Appli | 814 | 58.5 | 11.7 | 143  | 2 | US-10-108-260A-3259  | Sequence 3259, Ap  |
| 742 | 60.5 | 12.1 | 2703 | 1 | US-08-185-432-19    | Sequence 19, Appl | 815 | 58.5 | 11.7 | 164  | 3 | US-09-270-767-48519  | Sequence 3302, A   |
| 743 | 60.5 | 12.1 | 2703 | 2 | US-08-899-232-4     | Sequence 4, Appli | 816 | 58.5 | 11.7 | 189  | 3 | US-09-270-767-48519  | Sequence 48519, A  |
| 744 | 60.5 | 12.1 | 2703 | 2 | US-09-270-767-37873 | Sequence 37873, A | 817 | 58.5 | 11.7 | 189  | 3 | US-10-703-032-182470 | Sequence 182470, A |
| 745 | 60   | 12.0 | 113  | 2 | US-09-270-767-37873 | Sequence 37873, A | 818 | 58.5 | 11.7 | 189  | 3 | US-10-000-986A-205   | Sequence 205, App  |
| 746 | 60   | 12.0 | 113  | 2 | US-08-464-339A-2    | Sequence 2, Appli | 819 | 58.5 | 11.7 | 189  | 3 | US-09-992-600B-205   | Sequence 205, App  |
| 747 | 60   | 12.0 | 184  | 1 | US-08-464-339A-2    | Sequence 2, Appli | 820 | 58.5 | 11.7 | 207  | 2 | US-10-001-142C-205   | Sequence 205, App  |
| 748 | 60   | 12.0 | 184  | 1 | US-08-468-847B-18   | Sequence 18, Appl | 821 | 58.5 | 11.7 | 207  | 2 | US-08-974-022-47     | Sequence 47, Appl  |
| 749 | 60   | 12.0 | 184  | 2 | US-09-706-722A-2    | Sequence 2, Appli | 822 | 58.5 | 11.7 | 207  | 2 | US-08-795-445A-47    | Sequence 47, Appl  |
| 750 | 60   | 12.0 | 184  | 2 | US-09-949-016-6782  | Sequence 6782, Ap | 823 | 58.5 | 11.7 | 207  | 2 | US-08-974-186-47     | Sequence 47, Appl  |
| 751 | 60   | 12.0 | 202  | 2 | PCT-US94-14388-2    | Sequence 2, Appli | 824 | 58.5 | 11.7 | 207  | 2 | US-08-795-446B-47    | Sequence 47, Appl  |
| 752 | 60   | 12.0 | 202  | 2 | US-09-949-016-10546 | Sequence 10546, A | 825 | 58.5 | 11.7 | 207  | 2 | US-08-706-945D-133   | Sequence 133, Appl |
| 753 | 60   | 12.0 | 275  | 2 | US-09-489-039A-7372 | Sequence 7372, Ap | 826 | 58.5 | 11.7 | 291  | 3 | US-08-577-788C-47    | Sequence 47, Appl  |
| 754 | 60   | 12.0 | 314  | 3 | US-10-108-260A-2665 | Sequence 2665, Ap | 827 | 58.5 | 11.7 | 291  | 3 | US-09-613-591F-130   | Sequence 130, App  |
| 755 | 60   | 12.0 | 399  | 2 | US-09-807-802A-9    | Sequence 9, Appli | 828 | 58.5 | 11.7 | 291  | 3 | US-10-000-986A-204   | Sequence 204, App  |
| 756 | 60   | 12.0 | 399  | 3 | US-10-696-282-9     | Sequence 9, Appli | 829 | 58.5 | 11.7 | 291  | 3 | US-09-992-600B-204   | Sequence 204, App  |

|     |      |      |      |   |                      |                    |     |      |      |      |   |                      |                    |
|-----|------|------|------|---|----------------------|--------------------|-----|------|------|------|---|----------------------|--------------------|
| 830 | 58.5 | 11.7 | 301  | 2 | US-09-252-991A-31214 | Sequence 31214, A  | 903 | 57.5 | 11.5 | 668  | 1 | US-08-786-164-13     | Sequence 13, Appl  |
| 831 | 58.5 | 11.7 | 325  | 1 | US-08-232-549-2      | Sequence 2, Appl   | 904 | 57.5 | 11.5 | 745  | 2 | US-10-104-047-2955   | Sequence 2955, Ap  |
| 832 | 58.5 | 11.7 | 325  | 2 | US-09-042-785A-9     | Sequence 9, Appl   | 905 | 57.5 | 11.5 | 745  | 2 | US-10-104-047-2960   | Sequence 2960, Ap  |
| 833 | 58.5 | 11.7 | 325  | 5 | PCT-US91-02207-2     | Sequence 2, Appl   | 906 | 57.5 | 11.5 | 745  | 3 | US-10-123-292-68     | Sequence 68, Appl  |
| 834 | 58.5 | 11.7 | 397  | 3 | US-10-000-986A-203   | Sequence 203, App  | 907 | 57.5 | 11.5 | 745  | 3 | US-10-152-398-68     | Sequence 68, Appl  |
| 835 | 58.5 | 11.7 | 397  | 3 | US-09-992-600B-203   | Sequence 203, App  | 908 | 57.5 | 11.5 | 745  | 3 | US-10-123-907-68     | Sequence 68, Appl  |
| 836 | 58.5 | 11.7 | 397  | 3 | US-09-999-570A-203   | Sequence 203, App  | 909 | 57.5 | 11.5 | 745  | 3 | US-10-147-512-68     | Sequence 68, Appl  |
| 837 | 58.5 | 11.7 | 397  | 3 | US-10-001-142C-203   | Sequence 203, App  | 910 | 57.5 | 11.5 | 745  | 3 | US-10-147-485-68     | Sequence 68, Appl  |
| 838 | 58.5 | 11.7 | 480  | 3 | US-10-703-032-109121 | Sequence 109121, A | 911 | 57.5 | 11.5 | 745  | 3 | US-10-124-814-68     | Sequence 68, Appl  |
| 839 | 58.5 | 11.7 | 593  | 3 | US-10-108-260A-3668  | Sequence 3668, Ap  | 912 | 57.5 | 11.5 | 745  | 3 | US-10-124-822-68     | Sequence 68, Appl  |
| 840 | 58.5 | 11.7 | 721  | 2 | US-08-872-855-7      | Sequence 7, Appl   | 913 | 57.5 | 11.5 | 745  | 3 | US-10-131-833A-68    | Sequence 68, Appl  |
| 841 | 58.5 | 11.7 | 721  | 2 | US-08-981-392-5      | Sequence 5, Appl   | 914 | 57.5 | 11.5 | 745  | 3 | US-10-142-419-68     | Sequence 68, Appl  |
| 842 | 58.5 | 11.7 | 721  | 2 | US-09-908-322-5      | Sequence 5, Appl   | 915 | 57.5 | 11.5 | 745  | 3 | US-10-152-375-68     | Sequence 68, Appl  |
| 843 | 58.5 | 11.7 | 721  | 2 | US-09-310-885-12     | Sequence 12, Appl  | 916 | 57.5 | 11.5 | 745  | 3 | US-10-131-818A-68    | Sequence 68, Appl  |
| 844 | 58.5 | 11.7 | 721  | 3 | US-09-783-931C-5     | Sequence 5, Appl   | 917 | 57.5 | 11.5 | 745  | 3 | US-10-145-873-68     | Sequence 68, Appl  |
| 845 | 58.5 | 11.7 | 721  | 3 | US-10-042-865-109    | Sequence 109, App  | 918 | 57.5 | 11.5 | 745  | 3 | US-10-152-395-68     | Sequence 68, Appl  |
| 846 | 58.5 | 11.7 | 787  | 2 | US-10-000-489-70     | Sequence 70, Appl  | 919 | 57.5 | 11.5 | 745  | 3 | US-10-131-822A-68    | Sequence 68, Appl  |
| 847 | 58.5 | 11.7 | 787  | 2 | US-09-992-095B-70    | Sequence 70, Appl  | 920 | 57.5 | 11.5 | 745  | 3 | US-10-142-763-68     | Sequence 68, Appl  |
| 848 | 58.5 | 11.7 | 787  | 3 | US-10-000-986A-70    | Sequence 70, Appl  | 921 | 57.5 | 11.5 | 745  | 3 | US-10-128-694A-68    | Sequence 68, Appl  |
| 849 | 58.5 | 11.7 | 787  | 3 | US-09-932-600B-70    | Sequence 70, Appl  | 922 | 57.5 | 11.5 | 745  | 3 | US-10-123-213-68     | Sequence 68, Appl  |
| 850 | 58.5 | 11.7 | 787  | 3 | US-09-924-340-70     | Sequence 70, Appl  | 923 | 57.5 | 11.5 | 745  | 3 | US-10-123-909-68     | Sequence 68, Appl  |
| 851 | 58.5 | 11.7 | 787  | 3 | US-09-999-570A-70    | Sequence 70, Appl  | 924 | 57.5 | 11.5 | 745  | 3 | US-10-108-260A-3826  | Sequence 3826, Ap  |
| 852 | 58.5 | 11.7 | 787  | 3 | US-10-001-142C-70    | Sequence 70, Appl  | 925 | 57.5 | 11.5 | 745  | 3 | US-10-131-826A-68    | Sequence 68, Appl  |
| 853 | 58.5 | 11.7 | 787  | 3 | US-10-219-074-90     | Sequence 90, Appl  | 926 | 57.5 | 11.5 | 745  | 3 | US-10-147-513-68     | Sequence 68, Appl  |
| 854 | 58.5 | 11.7 | 787  | 3 | US-10-227-873-90     | Sequence 90, Appl  | 927 | 57.5 | 11.5 | 745  | 3 | US-10-121-043-68     | Sequence 68, Appl  |
| 855 | 58.5 | 11.7 | 787  | 3 | US-10-218-849-90     | Sequence 90, Appl  | 928 | 57.5 | 11.5 | 745  | 3 | US-10-139-980-68     | Sequence 68, Appl  |
| 856 | 58.5 | 11.7 | 787  | 3 | US-10-216-168-90     | Sequence 90, Appl  | 929 | 57.5 | 11.5 | 764  | 2 | US-09-142-956B-14    | Sequence 14, Appl  |
| 857 | 58.5 | 11.7 | 1065 | 1 | US-08-400-159-8      | Sequence 8, Appl   | 930 | 57.5 | 11.5 | 767  | 1 | US-08-874-678-2      | Sequence 2, Appl   |
| 858 | 58.5 | 11.7 | 1148 | 2 | US-08-882-046-4      | Sequence 4, Appl   | 931 | 57.5 | 11.5 | 767  | 2 | US-08-643-839-2      | Sequence 2, Appl   |
| 859 | 58.5 | 11.7 | 1148 | 2 | US-09-566-047-4      | Sequence 4, Appl   | 932 | 57.5 | 11.5 | 767  | 2 | US-09-348-886-2      | Sequence 2, Appl   |
| 860 | 58.5 | 11.7 | 1212 | 2 | US-09-214-278-3      | Sequence 3, Appl   | 933 | 57.5 | 11.5 | 767  | 2 | US-09-348-886-2      | Sequence 2, Appl   |
| 861 | 58.5 | 11.7 | 1212 | 2 | US-09-855-722-3      | Sequence 3, Appl   | 934 | 57.5 | 11.5 | 788  | 1 | US-08-232-538-15     | Sequence 15, Appl  |
| 862 | 58.5 | 11.7 | 1212 | 3 | US-10-219-248-3      | Sequence 3, Appl   | 935 | 57.5 | 11.5 | 788  | 1 | US-08-786-164-15     | Sequence 15, Appl  |
| 863 | 58.5 | 11.7 | 1257 | 2 | US-08-611-729A-8     | Sequence 8, Appl   | 936 | 57.5 | 11.5 | 789  | 3 | US-10-101-018A-15    | Sequence 15, Appl  |
| 864 | 58.5 | 11.7 | 1257 | 2 | US-09-195-524-8      | Sequence 8, Appl   | 937 | 57.5 | 11.5 | 810  | 1 | US-08-820-170A-34    | Sequence 34, Appl  |
| 865 | 58.5 | 11.7 | 1257 | 2 | US-09-310-685-6      | Sequence 6, Appl   | 938 | 57.5 | 11.5 | 810  | 2 | US-09-253-699-34     | Sequence 34, Appl  |
| 866 | 58.5 | 11.7 | 3907 | 2 | US-10-029-217A-24    | Sequence 24, Appl  | 939 | 57.5 | 11.5 | 810  | 2 | US-09-275-565-34     | Sequence 34, Appl  |
| 867 | 58.5 | 11.7 | 4391 | 2 | US-10-006-011A-2     | Sequence 2, Appl   | 940 | 57.5 | 11.5 | 810  | 2 | US-09-565-538-34     | Sequence 34, Appl  |
| 868 | 58.5 | 11.7 | 4391 | 3 | US-10-420-270-4      | Sequence 4, Appl   | 941 | 57.5 | 11.5 | 810  | 2 | US-09-661-468-34     | Sequence 34, Appl  |
| 869 | 58   | 11.6 | 137  | 3 | US-10-703-032-165719 | Sequence 165719, A | 942 | 57.5 | 11.5 | 810  | 2 | US-09-976-165-34     | Sequence 34, Appl  |
| 870 | 58   | 11.6 | 196  | 2 | US-09-252-991A-31920 | Sequence 31920, A  | 943 | 57.5 | 11.5 | 880  | 2 | US-10-104-047-2834   | Sequence 2834, Ap  |
| 871 | 58   | 11.6 | 197  | 3 | US-10-108-260A-3943  | Sequence 3943, Ap  | 944 | 57.5 | 11.5 | 1356 | 1 | US-08-810-116-8      | Sequence 8, Appl   |
| 872 | 58   | 11.6 | 258  | 2 | US-09-579-845-7      | Sequence 7, Appl   | 945 | 57.5 | 11.5 | 1356 | 1 | US-07-930-548A-8     | Sequence 8, Appl   |
| 873 | 58   | 11.6 | 487  | 2 | US-09-579-845-14     | Sequence 14, Appl  | 946 | 57.5 | 11.5 | 1356 | 2 | US-09-098-707A-2     | Sequence 2, Appl   |
| 874 | 58   | 11.6 | 525  | 5 | US-08-688-988-10     | Sequence 10, Appl  | 947 | 57.5 | 11.5 | 1356 | 2 | US-09-483-539-2      | Sequence 2, Appl   |
| 875 | 58   | 11.6 | 1149 | 2 | US-09-252-991A-25557 | Sequence 25557, A  | 948 | 57.5 | 11.5 | 1356 | 2 | US-09-949-016-6198   | Sequence 6198, Ap  |
| 876 | 58   | 11.6 | 1686 | 3 | US-10-386-414A-2     | Sequence 2, Appl   | 949 | 57.5 | 11.5 | 1356 | 2 | US-10-100-405A-2     | Sequence 2, Appl   |
| 877 | 58   | 11.6 | 1786 | 3 | US-09-619-049-777    | Sequence 777, App  | 950 | 57.5 | 11.5 | 1356 | 2 | US-10-022-939-2      | Sequence 2, Appl   |
| 878 | 58   | 11.6 | 4440 | 3 | US-10-183-001-525    | Sequence 525, App  | 951 | 57.5 | 11.5 | 1356 | 3 | US-10-090-183-2      | Sequence 2, Appl   |
| 879 | 58   | 11.6 | 4440 | 3 | US-10-180-998-525    | Sequence 525, App  | 952 | 57.5 | 11.5 | 1356 | 3 | US-10-394-322A-66    | Sequence 66, Appl  |
| 880 | 58   | 11.6 | 4440 | 3 | US-10-201-769-525    | Sequence 525, App  | 953 | 57.5 | 11.5 | 1356 | 3 | US-10-633-742-6      | Sequence 6, Appl   |
| 881 | 58   | 11.6 | 4440 | 3 | US-10-174-576-525    | Sequence 525, App  | 954 | 57.5 | 11.5 | 1456 | 2 | US-09-949-016-9853   | Sequence 9853, Ap  |
| 882 | 58   | 11.6 | 4440 | 3 | US-10-174-581-525    | Sequence 525, App  | 955 | 57.5 | 11.5 | 1480 | 2 | US-09-191-647-7      | Sequence 7, Appl   |
| 883 | 58   | 11.6 | 4440 | 3 | US-10-207-916-525    | Sequence 525, App  | 956 | 57.5 | 11.5 | 1480 | 2 | US-09-540-245A-7     | Sequence 7, Appl   |
| 884 | 58   | 11.6 | 4440 | 3 | US-10-174-583-525    | Sequence 525, App  | 957 | 57.5 | 11.5 | 1480 | 2 | US-09-540-153-7      | Sequence 7, Appl   |
| 885 | 58   | 11.6 | 4440 | 3 | US-10-187-745-525    | Sequence 525, App  | 958 | 57.5 | 11.5 | 1480 | 2 | US-09-182-024A-5     | Sequence 5, Appl   |
| 886 | 57.5 | 11.5 | 63   | 2 | US-09-950-933A-75    | Sequence 75, Appl  | 959 | 57.5 | 11.5 | 1480 | 2 | US-10-289-776-7      | Sequence 7, Appl   |
| 887 | 57.5 | 11.5 | 63   | 2 | US-10-976-102-75     | Sequence 75, Appl  | 960 | 57.5 | 11.5 | 1480 | 2 | PCT-US91-09055-2     | Sequence 2, Appl   |
| 888 | 57.5 | 11.5 | 71   | 3 | US-10-703-032-165833 | Sequence 165833, A | 961 | 57.5 | 11.5 | 1504 | 2 | US-10-037-417-98     | Sequence 98, Appl  |
| 889 | 57.5 | 11.5 | 97   | 2 | US-10-105-901A-50    | Sequence 50, Appl  | 962 | 57.5 | 11.5 | 2871 | 3 | US-09-538-092-1076   | Sequence 1076, Ap  |
| 890 | 57.5 | 11.5 | 132  | 2 | US-09-523-323-55     | Sequence 55, Appl  | 963 | 57   | 11.4 | 87   | 3 | US-10-703-032-145575 | Sequence 145575, A |
| 891 | 57.5 | 11.5 | 187  | 2 | US-09-248-796A-16235 | Sequence 16235, A  | 964 | 57   | 11.4 | 105  | 3 | US-10-703-032-186142 | Sequence 186142, A |
| 892 | 57.5 | 11.5 | 207  | 2 | US-10-094-749-2017   | Sequence 2017, Ap  | 965 | 57   | 11.4 | 115  | 3 | US-09-950-933A-39    | Sequence 39, Appl  |
| 893 | 57.5 | 11.5 | 280  | 3 | US-09-450-969-5395   | Sequence 5395, Ap  | 966 | 57   | 11.4 | 115  | 3 | US-10-976-102-39     | Sequence 39, Appl  |
| 894 | 57.5 | 11.5 | 280  | 3 | US-10-724-972B-5395  | Sequence 5395, Ap  | 967 | 57   | 11.4 | 147  | 2 | US-09-527-236A-19    | Sequence 19, Appl  |
| 895 | 57.5 | 11.5 | 293  | 2 | US-09-134-001C-5374  | Sequence 5374, Ap  | 968 | 57   | 11.4 | 147  | 2 | US-09-756-854-19     | Sequence 19, Appl  |
| 896 | 57.5 | 11.5 | 443  | 3 | US-09-461-325-147    | Sequence 147, App  | 969 | 57   | 11.4 | 147  | 2 | US-10-041-574-19     | Sequence 19, Appl  |
| 897 | 57.5 | 11.5 | 443  | 2 | US-10-012-542-147    | Sequence 147, App  | 970 | 57   | 11.4 | 147  | 2 | US-09-095-094-19     | Sequence 19, Appl  |
| 898 | 57.5 | 11.5 | 443  | 2 | US-10-115-123-147    | Sequence 147, App  | 971 | 57   | 11.4 | 181  | 2 | US-10-094-749-1792   | Sequence 1792, Ap  |
| 899 | 57.5 | 11.5 | 566  | 2 | US-09-489-039A-14179 | Sequence 14179, A  | 972 | 57   | 11.4 | 253  | 2 | US-09-042-785A-4     | Sequence 4, Appl   |
| 900 | 57.5 | 11.5 | 581  | 2 | US-10-104-047-2804   | Sequence 2804, Ap  | 973 | 57   | 11.4 | 254  | 2 | US-09-422-680A-6     | Sequence 6, Appl   |
| 901 | 57.5 | 11.5 | 664  | 3 | US-10-101-018A-13    | Sequence 13, Appl  | 974 | 57   | 11.4 | 259  | 3 | US-09-940-235-4      | Sequence 4, Appl   |
| 902 | 57.5 | 11.5 | 668  | 1 | US-08-232-538-13     | Sequence 13, Appl  | 975 | 57   | 11.4 | 259  | 3 | US-10-631-558-4      | Sequence 4, Appl   |



|      |    |      |     |   |                      |                    |      |      |      |      |   |                      |                    |
|------|----|------|-----|---|----------------------|--------------------|------|------|------|------|---|----------------------|--------------------|
| 976  | 57 | 11.4 | 290 | 2 | US-09-422-680A-2     | Sequence 2, Appli  | 1049 | 57   | 11.4 | 1045 | 2 | US-09-949-016-11112  | Sequence 1112, A   |
| 977  | 57 | 11.4 | 290 | 2 | US-09-422-680A-8     | Sequence 8, Appli  | 1050 | 57   | 11.4 | 2231 | 1 | US-08-153-799-16     | Sequence 16, Appli |
| 978  | 57 | 11.4 | 396 | 2 | US-09-370-767-41758  | Sequence 41758, A  | 1051 | 57   | 11.4 | 2324 | 1 | US-08-283-857-1      | Sequence 1, Appli  |
| 979  | 57 | 11.4 | 438 | 1 | US-08-660-963-12     | Sequence 12, Appli | 1052 | 57   | 11.4 | 2324 | 5 | PCT-US95-09819-1     | Sequence 1, Appli  |
| 980  | 57 | 11.4 | 523 | 3 | US-09-792-200C-14    | Sequence 14, Appli | 1053 | 57   | 11.4 | 2327 | 7 | US-09-492-971B-15    | Sequence 15, Appli |
| 981  | 57 | 11.4 | 523 | 3 | US-09-792-200C-11730 | Sequence 11730, A  | 1054 | 57   | 11.4 | 2327 | 7 | 5455158-1            | Patent No. 5455158 |
| 982  | 57 | 11.4 | 564 | 2 | US-09-949-016-11730  | Sequence 11730, A  | 1055 | 57   | 11.4 | 2328 | 3 | US-10-171-311-64     | Sequence 64, Appli |
| 983  | 57 | 11.4 | 564 | 2 | US-09-949-016-7838   | Sequence 7838, Ap  | 1056 | 57   | 11.4 | 2328 | 3 | US-10-360-101-235    | Sequence 235, App  |
| 984  | 57 | 11.4 | 605 | 2 | US-09-042-785A-23    | Sequence 23, Appli | 1057 | 57   | 11.4 | 2355 | 3 | US-11-040-130-28     | Sequence 28, Appli |
| 985  | 57 | 11.4 | 625 | 2 | US-09-949-016-8500   | Sequence 8500, Ap  | 1058 | 57   | 11.4 | 2355 | 3 | US-09-016-366A-12    | Sequence 12, Appli |
| 986  | 57 | 11.4 | 654 | 2 | US-08-979-847B-91    | Sequence 91, Appli | 1059 | 57   | 11.4 | 2386 | 1 | US-09-961-403-1      | Sequence 1, Appli  |
| 987  | 57 | 11.4 | 655 | 2 | US-08-959-382-2      | Sequence 2, Appli  | 1060 | 57   | 11.4 | 2386 | 1 | US-09-961-403-1      | Sequence 1, Appli  |
| 988  | 57 | 11.4 | 655 | 2 | US-09-527-236A-2     | Sequence 2, Appli  | 1061 | 57   | 11.4 | 2446 | 5 | PCT-US93-12681-2     | Sequence 2, Appli  |
| 989  | 57 | 11.4 | 655 | 2 | US-09-314-844F-2     | Sequence 2, Appli  | 1062 | 57   | 11.4 | 2477 | 3 | US-09-446-274B-7     | Sequence 7, Appli  |
| 990  | 57 | 11.4 | 655 | 2 | US-09-756-854-2      | Sequence 2, Appli  | 1063 | 57   | 11.4 | 4393 | 3 | US-10-030-937-1      | Sequence 1, Appli  |
| 991  | 57 | 11.4 | 655 | 2 | US-09-999-833A-64    | Sequence 64, Appli | 1064 | 56.5 | 11.3 | 79   | 2 | US-10-006-011A-7     | Sequence 7, Appli  |
| 992  | 57 | 11.4 | 655 | 2 | US-10-041-574-2      | Sequence 2, Appli  | 1065 | 56.5 | 11.3 | 80   | 3 | US-10-000-986A-196   | Sequence 196, App  |
| 993  | 57 | 11.4 | 655 | 2 | US-09-095-094-2      | Sequence 2, Appli  | 1066 | 56.5 | 11.3 | 80   | 3 | US-09-992-600B-196   | Sequence 196, App  |
| 994  | 57 | 11.4 | 655 | 2 | US-10-020-445A-64    | Sequence 64, Appli | 1067 | 56.5 | 11.3 | 80   | 3 | US-09-999-570A-196   | Sequence 196, App  |
| 995  | 57 | 11.4 | 655 | 2 | US-09-978-189-64     | Sequence 64, Appli | 1068 | 56.5 | 11.3 | 80   | 3 | US-10-001-142C-196   | Sequence 196, App  |
| 996  | 57 | 11.4 | 655 | 2 | US-10-017-085A-64    | Sequence 64, Appli | 1069 | 56.5 | 11.3 | 99   | 2 | US-09-950-933A-82    | Sequence 82, Appli |
| 997  | 57 | 11.4 | 655 | 3 | US-10-145-129A-64    | Sequence 64, Appli | 1070 | 56.5 | 11.3 | 99   | 2 | US-10-976-102-82     | Sequence 82, Appli |
| 998  | 57 | 11.4 | 655 | 3 | US-10-013-929A-64    | Sequence 64, Appli | 1071 | 56.5 | 11.3 | 106  | 2 | US-09-270-767-62424  | Sequence 62424, A  |
| 999  | 57 | 11.4 | 655 | 3 | US-10-013-917A-64    | Sequence 64, Appli | 1072 | 56.5 | 11.3 | 108  | 3 | US-10-703-032-136982 | Sequence 136982, A |
| 1000 | 57 | 11.4 | 655 | 3 | US-10-013-925A-64    | Sequence 2, Appli  | 1073 | 56.5 | 11.3 | 122  | 3 | US-10-703-032-109229 | Sequence 109229, A |
| 1001 | 57 | 11.4 | 655 | 3 | US-10-663-157-2      | Sequence 2, Appli  | 1074 | 56.5 | 11.3 | 167  | 2 | US-10-094-749-1810   | Sequence 1810, Ap  |
| 1002 | 57 | 11.4 | 655 | 3 | US-10-182-521A-64    | Sequence 64, Appli | 1075 | 56.5 | 11.3 | 167  | 2 | US-10-703-032-175526 | Sequence 175526, A |
| 1003 | 57 | 11.4 | 655 | 3 | US-10-145-016A-64    | Sequence 64, Appli | 1076 | 56.5 | 11.3 | 240  | 2 | US-10-006-011A-5     | Sequence 5, Appli  |
| 1004 | 57 | 11.4 | 655 | 3 | US-10-013-926A-64    | Sequence 64, Appli | 1077 | 56.5 | 11.3 | 264  | 3 | US-09-973-278-151    | Sequence 151, App  |
| 1005 | 57 | 11.4 | 655 | 3 | US-10-162-522A-64    | Sequence 64, Appli | 1078 | 56.5 | 11.3 | 265  | 2 | US-09-277-357-153    | Sequence 153, App  |
| 1006 | 57 | 11.4 | 655 | 3 | US-10-183-001-418    | Sequence 418, App  | 1079 | 56.5 | 11.3 | 265  | 3 | US-09-983-802-153    | Sequence 153, App  |
| 1007 | 57 | 11.4 | 655 | 3 | US-10-180-998-418    | Sequence 418, App  | 1080 | 56.5 | 11.3 | 309  | 2 | US-09-270-767-46802  | Sequence 46802, A  |
| 1008 | 57 | 11.4 | 655 | 3 | US-10-201-769-418    | Sequence 418, App  | 1081 | 56.5 | 11.3 | 336  | 2 | US-09-252-991A-16971 | Sequence 16971, A  |
| 1009 | 57 | 11.4 | 655 | 3 | US-10-143-029A-64    | Sequence 64, Appli | 1082 | 56.5 | 11.3 | 342  | 2 | US-09-193-562D-13    | Sequence 13, Appli |
| 1010 | 57 | 11.4 | 655 | 3 | US-10-165-247A-64    | Sequence 64, Appli | 1083 | 56.5 | 11.3 | 428  | 3 | US-09-201-228B-13    | Sequence 13, Appli |
| 1011 | 57 | 11.4 | 655 | 3 | US-10-174-576-418    | Sequence 418, App  | 1084 | 56.5 | 11.3 | 495  | 2 | US-09-252-991A-23863 | Sequence 23863, A  |
| 1012 | 57 | 11.4 | 655 | 3 | US-09-999-832A-64    | Sequence 64, Appli | 1085 | 56.5 | 11.3 | 495  | 2 | US-10-006-011A-4     | Sequence 4, Appli  |
| 1013 | 57 | 11.4 | 655 | 3 | US-10-174-581-418    | Sequence 418, App  | 1086 | 56.5 | 11.3 | 540  | 3 | US-09-792-200C-18    | Sequence 18, Appli |
| 1014 | 57 | 11.4 | 655 | 3 | US-10-143-031A-64    | Sequence 64, Appli | 1087 | 56.5 | 11.3 | 575  | 2 | US-09-482-273-159    | Sequence 159, App  |
| 1015 | 57 | 11.4 | 655 | 3 | US-10-013-923A-64    | Sequence 64, Appli | 1088 | 56.5 | 11.3 | 575  | 2 | US-10-103-295-160    | Sequence 160, App  |
| 1016 | 57 | 11.4 | 655 | 3 | US-10-013-927A-64    | Sequence 64, Appli | 1089 | 56.5 | 11.3 | 575  | 2 | US-10-103-295-160    | Sequence 160, App  |
| 1017 | 57 | 11.4 | 655 | 3 | US-10-207-916-418    | Sequence 418, App  | 1090 | 56.5 | 11.3 | 602  | 2 | US-09-252-991A-24403 | Sequence 24403, A  |
| 1018 | 57 | 11.4 | 655 | 3 | US-10-145-087A-64    | Sequence 64, Appli | 1091 | 56.5 | 11.3 | 638  | 2 | US-09-482-273-245    | Sequence 245, App  |
| 1019 | 57 | 11.4 | 655 | 3 | US-09-978-564A-64    | Sequence 64, Appli | 1092 | 56.5 | 11.3 | 638  | 2 | US-10-103-295-248    | Sequence 248, App  |
| 1020 | 57 | 11.4 | 655 | 3 | US-09-978-375A-64    | Sequence 64, Appli | 1093 | 56.5 | 11.3 | 653  | 3 | US-10-439-741-6      | Sequence 6, Appli  |
| 1021 | 57 | 11.4 | 655 | 3 | US-10-165-353A-64    | Sequence 64, Appli | 1094 | 56.5 | 11.3 | 705  | 2 | US-10-006-011A-3     | Sequence 3, Appli  |
| 1022 | 57 | 11.4 | 655 | 3 | US-10-143-030A-64    | Sequence 64, Appli | 1095 | 56.5 | 11.3 | 795  | 2 | US-09-193-562D-11    | Sequence 11, Appli |
| 1023 | 57 | 11.4 | 655 | 3 | US-10-145-089A-64    | Sequence 64, Appli | 1096 | 56.5 | 11.3 | 795  | 2 | US-10-055-412B-11    | Sequence 11, Appli |
| 1024 | 57 | 11.4 | 655 | 3 | US-10-170-583-418    | Sequence 418, App  | 1097 | 56.5 | 11.3 | 821  | 2 | US-09-193-562D-12    | Sequence 12, Appli |
| 1025 | 57 | 11.4 | 655 | 3 | US-10-170-583-418    | Sequence 418, App  | 1098 | 56.5 | 11.3 | 821  | 2 | US-10-055-412B-12    | Sequence 12, Appli |
| 1026 | 57 | 11.4 | 655 | 3 | US-10-160-502A-64    | Sequence 64, Appli | 1099 | 56.5 | 11.3 | 830  | 2 | US-09-562-737-33     | Sequence 33, Appli |
| 1027 | 57 | 11.4 | 655 | 3 | US-10-187-745-418    | Sequence 418, App  | 1100 | 56.5 | 11.3 | 830  | 3 | US-10-211-962-33     | Sequence 33, Appli |
| 1028 | 57 | 11.4 | 691 | 2 | US-09-423-680A-4     | Sequence 4, Appli  | 1101 | 56.5 | 11.3 | 905  | 2 | US-09-193-562D-2     | Sequence 2, Appli  |
| 1029 | 57 | 11.4 | 722 | 2 | US-09-617-145-2      | Sequence 2, Appli  | 1102 | 56.5 | 11.3 | 905  | 2 | US-10-055-412B-2     | Sequence 2, Appli  |
| 1030 | 57 | 11.4 | 722 | 2 | US-09-949-016-6418   | Sequence 6418, Ap  | 1103 | 56.5 | 11.3 | 1055 | 2 | US-09-214-278-2      | Sequence 2, Appli  |
| 1031 | 57 | 11.4 | 722 | 3 | US-10-265-125-2      | Sequence 2, Appli  | 1104 | 56.5 | 11.3 | 1055 | 2 | US-09-855-722-2      | Sequence 2, Appli  |
| 1032 | 57 | 11.4 | 737 | 2 | US-09-866-028-15     | Sequence 15, Appli | 1105 | 56.5 | 11.3 | 1055 | 3 | US-10-219-248-2      | Sequence 2, Appli  |
| 1033 | 57 | 11.4 | 737 | 2 | US-09-944-457-15     | Sequence 15, Appli | 1106 | 56.5 | 11.3 | 1193 | 1 | US-08-400-159-10     | Sequence 10, Appli |
| 1034 | 57 | 11.4 | 737 | 2 | US-09-944-584-15     | Sequence 15, Appli | 1107 | 56.5 | 11.3 | 1193 | 1 | US-08-611-729A-10    | Sequence 10, Appli |
| 1035 | 57 | 11.4 | 737 | 2 | US-09-944-944-15     | Sequence 15, Appli | 1108 | 56.5 | 11.3 | 1193 | 2 | US-09-195-524-10     | Sequence 8, Appli  |
| 1036 | 57 | 11.4 | 737 | 2 | US-09-945-587-15     | Sequence 15, Appli | 1109 | 56.5 | 11.3 | 1193 | 2 | US-09-310-685-8      | Sequence 5, Appli  |
| 1037 | 57 | 11.4 | 737 | 3 | US-09-945-884-15     | Sequence 15, Appli | 1110 | 56.5 | 11.3 | 1219 | 2 | US-08-882-046-5      | Sequence 5, Appli  |
| 1038 | 57 | 11.4 | 737 | 3 | US-10-183-001-38     | Sequence 38, Appli | 1111 | 56.5 | 11.3 | 1219 | 2 | US-09-566-047-5      | Sequence 5, Appli  |
| 1039 | 57 | 11.4 | 737 | 3 | US-10-180-998-38     | Sequence 38, Appli | 1112 | 56.5 | 11.3 | 1238 | 2 | US-09-214-278-5      | Sequence 5, Appli  |
| 1040 | 57 | 11.4 | 737 | 3 | US-10-201-769-38     | Sequence 38, Appli | 1113 | 56.5 | 11.3 | 1238 | 3 | US-10-219-248-5      | Sequence 5, Appli  |
| 1041 | 57 | 11.4 | 737 | 3 | US-10-174-581-38     | Sequence 38, Appli | 1114 | 56.5 | 11.3 | 1422 | 2 | US-08-469-260A-82    | Sequence 82, Appli |
| 1042 | 57 | 11.4 | 737 | 3 | US-10-174-581-38     | Sequence 38, Appli | 1115 | 56.5 | 11.3 | 1422 | 2 | US-08-488-446-82     | Sequence 82, Appli |
| 1043 | 57 | 11.4 | 737 | 3 | US-09-944-896-15     | Sequence 15, Appli | 1116 | 56.5 | 11.3 | 1422 | 2 | US-08-467-344A-82    | Sequence 82, Appli |
| 1044 | 57 | 11.4 | 737 | 3 | US-10-207-916-38     | Sequence 38, Appli | 1117 | 56.5 | 11.3 | 1422 | 2 | US-08-424-550B-82    | Sequence 82, Appli |
| 1045 | 57 | 11.4 | 737 | 3 | US-10-174-583-38     | Sequence 38, Appli | 1118 | 56.5 | 11.3 | 1616 | 2 | US-09-538-092-1016   | Sequence 1016, Ap  |
| 1046 | 57 | 11.4 | 737 | 3 | US-10-187-745-38     | Sequence 38, Appli | 1119 | 56.5 | 11.3 | 2794 | 3 | US-10-042-865-2      | Sequence 2, Appli  |
| 1047 | 57 | 11.4 | 825 | 2 | US-10-949-002-482    | Sequence 482, App  | 1120 | 56.5 | 11.3 | 2794 | 3 | US-10-333-192-11     | Sequence 11, Appli |
| 1048 | 57 | 11.4 | 917 | 3 | US-10-221-658-4      | Sequence 4, Appli  | 1121 | 56   | 11.2 | 16   |   |                      |                    |



|      |      |      |      |      |      |      |      |      |   |                      |                   |
|------|------|------|------|------|------|------|------|------|---|----------------------|-------------------|
| 1122 | 56   | 11.2 | 56   | 11.2 | 1195 | 55.5 | 11.1 | 143  | 2 | US-10-012-896-482    | Sequence 482, App |
| 1123 | 56   | 11.2 | 92   | 11.2 | 1196 | 55.5 | 11.1 | 143  | 3 | US-10-144-678A-482   | Sequence 482, App |
| 1124 | 56   | 11.2 | 98   | 11.2 | 1197 | 55.5 | 11.1 | 143  | 3 | US-10-129-909-482    | Sequence 482, App |
| 1125 | 56   | 11.2 | 98   | 11.2 | 1198 | 55.5 | 11.1 | 143  | 3 | US-10-010-940-482    | Sequence 482, App |
| 1126 | 56   | 11.2 | 141  | 11.2 | 1199 | 55.5 | 11.1 | 143  | 3 | US-09-570-737A-482   | Sequence 482, App |
| 1127 | 56   | 11.2 | 143  | 11.2 | 1200 | 55.5 | 11.1 | 147  | 3 | US-10-703-032-127195 | Sequence 127195,  |
| 1128 | 56   | 11.2 | 149  | 11.2 | 1201 | 55.5 | 11.1 | 154  | 2 | US-09-191-647-10     | Sequence 10, Appl |
| 1129 | 56   | 11.2 | 169  | 11.2 | 1202 | 55.5 | 11.1 | 154  | 2 | US-09-540-245A-10    | Sequence 10, Appl |
| 1130 | 56   | 11.2 | 169  | 11.2 | 1203 | 55.5 | 11.1 | 154  | 2 | US-09-540-153-10     | Sequence 10, Appl |
| 1131 | 56   | 11.2 | 260  | 11.2 | 1204 | 55.5 | 11.1 | 154  | 2 | US-10-289-776-10     | Sequence 10, Appl |
| 1132 | 56   | 11.2 | 264  | 11.2 | 1205 | 55.5 | 11.1 | 222  | 3 | US-10-703-032-111480 | Sequence 111480,  |
| 1133 | 56   | 11.2 | 264  | 11.2 | 1206 | 55.5 | 11.1 | 233  | 2 | US-09-252-991A-18455 | Sequence 18455, A |
| 1134 | 56   | 11.2 | 320  | 11.2 | 1207 | 55.5 | 11.1 | 353  | 2 | US-09-482-273-243    | Sequence 243, App |
| 1135 | 56   | 11.2 | 381  | 11.2 | 1208 | 55.5 | 11.1 | 353  | 3 | US-10-103-295-246    | Sequence 246, App |
| 1136 | 56   | 11.2 | 381  | 11.2 | 1209 | 55.5 | 11.1 | 385  | 1 | US-08-597-545-1      | Sequence 1, Appl  |
| 1137 | 56   | 11.2 | 381  | 11.2 | 1210 | 55.5 | 11.1 | 385  | 1 | US-08-457-135-1      | Sequence 1, Appl  |
| 1138 | 56   | 11.2 | 383  | 11.2 | 1211 | 55.5 | 11.1 | 385  | 2 | US-09-142-027A-10    | Sequence 10, Appl |
| 1139 | 56   | 11.2 | 428  | 11.2 | 1212 | 55.5 | 11.1 | 407  | 2 | US-09-252-991A-32423 | Sequence 32423, A |
| 1140 | 56   | 11.2 | 428  | 11.2 | 1213 | 55.5 | 11.1 | 431  | 2 | US-09-252-991A-18787 | Sequence 18787, A |
| 1141 | 56   | 11.2 | 465  | 11.2 | 1214 | 55.5 | 11.1 | 716  | 2 | US-09-252-991A-30683 | Sequence 30683, A |
| 1142 | 56   | 11.2 | 484  | 11.2 | 1215 | 55.5 | 11.1 | 925  | 3 | US-10-865-978A-25    | Sequence 25, Appl |
| 1143 | 56   | 11.2 | 491  | 11.2 | 1216 | 55.5 | 11.1 | 1742 | 3 | US-09-958-359-23     | Sequence 23, Appl |
| 1144 | 56   | 11.2 | 540  | 11.2 | 1217 | 55   | 11.0 | 69   | 3 | US-10-703-032-176450 | Sequence 176450,  |
| 1145 | 56   | 11.2 | 540  | 11.2 | 1218 | 55   | 11.0 | 82   | 2 | US-10-178-213-464    | Sequence 464, App |
| 1146 | 56   | 11.2 | 540  | 11.2 | 1219 | 55   | 11.0 | 98   | 3 | US-10-703-032-115297 | Sequence 115297,  |
| 1147 | 56   | 11.2 | 540  | 11.2 | 1220 | 55   | 11.0 | 100  | 2 | US-09-950-933A-40    | Sequence 40, Appl |
| 1148 | 56   | 11.2 | 540  | 11.2 | 1221 | 55   | 11.0 | 100  | 3 | US-10-976-102-40     | Sequence 40, Appl |
| 1149 | 56   | 11.2 | 540  | 11.2 | 1222 | 55   | 11.0 | 150  | 2 | US-08-334-179A-6     | Sequence 6, Appl  |
| 1150 | 56   | 11.2 | 580  | 11.2 | 1223 | 55   | 11.0 | 150  | 2 | US-08-334-179A-10    | Sequence 10, Appl |
| 1151 | 56   | 11.2 | 580  | 11.2 | 1224 | 55   | 11.0 | 150  | 2 | US-09-902-540-14820  | Sequence 14820, A |
| 1152 | 56   | 11.2 | 691  | 11.2 | 1225 | 55   | 11.0 | 156  | 2 | US-10-031-607-9      | Sequence 9, Appl  |
| 1153 | 56   | 11.2 | 748  | 11.2 | 1226 | 55   | 11.0 | 175  | 2 | US-09-252-991A-30055 | Sequence 30055, A |
| 1154 | 56   | 11.2 | 748  | 11.2 | 1227 | 55   | 11.0 | 195  | 2 | US-10-031-607-11     | Sequence 11, Appl |
| 1155 | 56   | 11.2 | 748  | 11.2 | 1228 | 55   | 11.0 | 197  | 2 | US-08-974-022-49     | Sequence 49, Appl |
| 1156 | 56   | 11.2 | 748  | 11.2 | 1229 | 55   | 11.0 | 197  | 2 | US-08-795-445A-49    | Sequence 49, Appl |
| 1157 | 56   | 11.2 | 748  | 11.2 | 1230 | 55   | 11.0 | 197  | 2 | US-08-795-447A-49    | Sequence 49, Appl |
| 1158 | 56   | 11.2 | 748  | 11.2 | 1231 | 55   | 11.0 | 197  | 2 | US-08-974-186-49     | Sequence 49, Appl |
| 1159 | 56   | 11.2 | 761  | 11.2 | 1232 | 55   | 11.0 | 197  | 2 | US-08-795-446B-49    | Sequence 49, Appl |
| 1160 | 56   | 11.2 | 799  | 11.2 | 1233 | 55   | 11.0 | 197  | 2 | US-08-706-945D-135   | Sequence 135, App |
| 1161 | 56   | 11.2 | 803  | 11.2 | 1234 | 55   | 11.0 | 197  | 2 | US-08-577-788C-49    | Sequence 49, Appl |
| 1162 | 56   | 11.2 | 1153 | 11.2 | 1235 | 55   | 11.0 | 197  | 3 | US-08-577-788C-49    | Sequence 49, Appl |
| 1163 | 56   | 11.2 | 1170 | 11.2 | 1236 | 55   | 11.0 | 203  | 2 | US-10-031-607-10     | Sequence 10, Appl |
| 1164 | 56   | 11.2 | 1170 | 11.2 | 1237 | 55   | 11.0 | 216  | 2 | US-09-252-991A-21450 | Sequence 21450, A |
| 1165 | 56   | 11.2 | 1194 | 11.2 | 1238 | 55   | 11.0 | 222  | 3 | US-10-219-074-48     | Sequence 48, Appl |
| 1166 | 56   | 11.2 | 1194 | 11.2 | 1239 | 55   | 11.0 | 222  | 3 | US-10-227-873-48     | Sequence 48, Appl |
| 1167 | 56   | 11.2 | 1194 | 11.2 | 1240 | 55   | 11.0 | 222  | 3 | US-10-218-849-48     | Sequence 48, Appl |
| 1168 | 56   | 11.2 | 1194 | 11.2 | 1241 | 55   | 11.0 | 222  | 3 | US-10-218-168-48     | Sequence 48, Appl |
| 1169 | 56   | 11.2 | 1194 | 11.2 | 1242 | 55   | 11.0 | 289  | 2 | US-09-042-785A-11    | Sequence 11, Appl |
| 1170 | 56   | 11.2 | 1194 | 11.2 | 1243 | 55   | 11.0 | 294  | 3 | US-10-703-032-106012 | Sequence 106012,  |
| 1171 | 56   | 11.2 | 1194 | 11.2 | 1244 | 55   | 11.0 | 336  | 2 | US-09-248-796A-20058 | Sequence 20058, A |
| 1172 | 56   | 11.2 | 1196 | 11.2 | 1245 | 55   | 11.0 | 359  | 2 | US-09-699-266A-11    | Sequence 11, Appl |
| 1173 | 56   | 11.2 | 1196 | 11.2 | 1246 | 55   | 11.0 | 394  | 2 | US-10-232-858-9      | Sequence 9, Appl  |
| 1174 | 56   | 11.2 | 1205 | 11.2 | 1247 | 55   | 11.0 | 394  | 2 | US-09-338-063A-9     | Sequence 9, Appl  |
| 1175 | 56   | 11.2 | 1205 | 11.2 | 1248 | 55   | 11.0 | 394  | 3 | US-08-915-004A-9     | Sequence 9, Appl  |
| 1176 | 56   | 11.2 | 1237 | 11.2 | 1249 | 55   | 11.0 | 394  | 3 | US-09-062-113A-9     | Sequence 9, Appl  |
| 1177 | 56   | 11.2 | 1239 | 11.2 | 1250 | 55   | 11.0 | 399  | 1 | US-08-414-926A-5     | Sequence 5, Appl  |
| 1178 | 56   | 11.2 | 1239 | 11.2 | 1251 | 55   | 11.0 | 399  | 1 | US-08-926-922-5      | Sequence 5, Appl  |
| 1179 | 56   | 11.2 | 1248 | 11.2 | 1252 | 55   | 11.0 | 399  | 2 | US-09-253-682-5      | Sequence 5, Appl  |
| 1180 | 56   | 11.2 | 1640 | 11.2 | 1253 | 55   | 11.0 | 399  | 2 | US-09-527-657-5      | Sequence 5, Appl  |
| 1181 | 56   | 11.2 | 1935 | 11.2 | 1254 | 55   | 11.0 | 399  | 3 | US-09-892-110-5      | Sequence 5, Appl  |
| 1182 | 56   | 11.2 | 5405 | 11.2 | 1255 | 55   | 11.0 | 399  | 3 | US-11-293-112-5      | Sequence 5, Appl  |
| 1183 | 55.5 | 11.1 | 44   | 11.1 | 1256 | 55   | 11.0 | 428  | 2 | US-09-252-991A-27023 | Sequence 27023, A |
| 1184 | 55.5 | 11.1 | 44   | 11.1 | 1257 | 55   | 11.0 | 547  | 2 | US-10-104-047-3096   | Sequence 3096, Ap |
| 1185 | 55.5 | 11.1 | 75   | 11.1 | 1258 | 55   | 11.0 | 548  | 2 | US-09-252-991A-28958 | Sequence 28958, A |
| 1186 | 55.5 | 11.1 | 80   | 11.1 | 1259 | 55   | 11.0 | 567  | 1 | US-08-841-483-2      | Sequence 2, Appl  |
| 1187 | 55.5 | 11.1 | 92   | 11.1 | 1260 | 55   | 11.0 | 567  | 1 | US-09-382-911-2      | Sequence 2, Appl  |
| 1188 | 55.5 | 11.1 | 143  | 11.1 | 1261 | 55   | 11.0 | 574  | 2 | US-09-248-796A-15283 | Sequence 15283, A |
| 1189 | 55.5 | 11.1 | 143  | 11.1 | 1262 | 55   | 11.0 | 582  | 2 | US-08-334-179A-4     | Sequence 4, Appl  |
| 1190 | 55.5 | 11.1 | 143  | 11.1 | 1263 | 55   | 11.0 | 583  | 2 | US-09-641-612-2      | Sequence 2, Appl  |
| 1191 | 55.5 | 11.1 | 143  | 11.1 | 1264 | 55   | 11.0 | 585  | 2 | US-09-641-612-5      | Sequence 5, Appl  |
| 1192 | 55.5 | 11.1 | 143  | 11.1 | 1265 | 55   | 11.0 | 597  | 2 | US-09-939-853A-107   | Sequence 107, App |
| 1193 | 55.5 | 11.1 | 143  | 11.1 | 1266 | 55   | 11.0 | 750  | 2 | US-09-270-767-42975  | Sequence 42975, A |
| 1194 | 55.5 | 11.1 | 143  | 11.1 | 1267 | 55   | 11.0 | 863  | 3 | US-10-617-351-3      | Sequence 3, Appl  |

|      |      |      |      |   |                      |                   |      |      |      |     |   |                      |                    |
|------|------|------|------|---|----------------------|-------------------|------|------|------|-----|---|----------------------|--------------------|
| 1268 | 55   | 11.0 | 909  | 2 | US-09-252-991A-30503 | Sequence 30503, A | 1341 | 54.5 | 10.9 | 259 | 3 | US-10-142-763-300    | Sequence 300, App  |
| 1269 | 55   | 11.0 | 961  | 2 | US-09-657-472-4      | Sequence 4, Appli | 1342 | 54.5 | 10.9 | 259 | 3 | US-10-128-694A-300   | Sequence 300, App  |
| 1270 | 55   | 11.0 | 961  | 5 | PCT-US93-11725-4     | Sequence 4, Appli | 1343 | 54.5 | 10.9 | 259 | 3 | US-10-123-213-300    | Sequence 300, App  |
| 1271 | 55   | 11.0 | 970  | 2 | US-09-949-016-10131  | Sequence 10131, A | 1344 | 54.5 | 10.9 | 259 | 3 | US-10-123-909-300    | Sequence 300, App  |
| 1272 | 55   | 11.0 | 1036 | 2 | US-09-751-389-2      | Sequence 2, Appli | 1345 | 54.5 | 10.9 | 259 | 3 | US-10-131-826A-300   | Sequence 300, App  |
| 1273 | 55   | 11.0 | 1036 | 2 | US-10-245-913-104    | Sequence 104, App | 1346 | 54.5 | 10.9 | 259 | 3 | US-10-147-513-300    | Sequence 300, App  |
| 1274 | 55   | 11.0 | 1036 | 3 | US-10-245-752-104    | Sequence 104, App | 1347 | 54.5 | 10.9 | 259 | 3 | US-10-121-043-300    | Sequence 300, App  |
| 1275 | 55   | 11.0 | 1036 | 3 | US-10-242-095-104    | Sequence 104, App | 1348 | 54.5 | 10.9 | 259 | 3 | US-10-139-980-300    | Sequence 300, App  |
| 1276 | 55   | 11.0 | 1036 | 3 | US-10-242-652-104    | Sequence 104, App | 1349 | 54.5 | 10.9 | 282 | 2 | US-09-907-794A-127   | Sequence 127, App  |
| 1277 | 55   | 11.0 | 1038 | 2 | US-08-334-179A-2     | Sequence 2, Appli | 1350 | 54.5 | 10.9 | 282 | 2 | US-09-905-125A-127   | Sequence 127, App  |
| 1278 | 55   | 11.0 | 1038 | 2 | US-08-334-179A-8     | Sequence 8, Appli | 1351 | 54.5 | 10.9 | 282 | 2 | US-09-902-775A-127   | Sequence 127, App  |
| 1279 | 55   | 11.0 | 1038 | 2 | US-09-908-500A-2     | Sequence 2, Appli | 1352 | 54.5 | 10.9 | 282 | 2 | US-09-906-700-127    | Sequence 1, Appli  |
| 1280 | 55   | 11.0 | 1076 | 3 | US-10-123-292-219    | Sequence 219, App | 1353 | 54.5 | 10.9 | 282 | 2 | US-09-903-603A-127   | Sequence 127, App  |
| 1281 | 55   | 11.0 | 1076 | 3 | US-10-123-292-219    | Sequence 219, App | 1354 | 54.5 | 10.9 | 282 | 2 | US-09-904-920A-127   | Sequence 127, App  |
| 1282 | 55   | 11.0 | 1076 | 3 | US-10-152-398-219    | Sequence 219, App | 1355 | 54.5 | 10.9 | 282 | 2 | US-09-909-064-127    | Sequence 127, App  |
| 1283 | 55   | 11.0 | 1076 | 3 | US-10-147-512-219    | Sequence 219, App | 1356 | 54.5 | 10.9 | 282 | 2 | US-09-905-381A-127   | Sequence 127, App  |
| 1284 | 55   | 11.0 | 1076 | 3 | US-10-147-485-219    | Sequence 219, App | 1357 | 54.5 | 10.9 | 282 | 2 | US-09-906-618-127    | Sequence 127, App  |
| 1285 | 55   | 11.0 | 1076 | 3 | US-10-124-814-219    | Sequence 219, App | 1358 | 54.5 | 10.9 | 282 | 2 | US-09-906-646-127    | Sequence 127, App  |
| 1286 | 55   | 11.0 | 1076 | 3 | US-10-124-822-219    | Sequence 219, App | 1359 | 54.5 | 10.9 | 282 | 2 | US-09-904-462-127    | Sequence 127, App  |
| 1287 | 55   | 11.0 | 1076 | 3 | US-10-131-833A-219   | Sequence 219, App | 1360 | 54.5 | 10.9 | 282 | 2 | US-09-906-726A-127   | Sequence 127, App  |
| 1288 | 55   | 11.0 | 1076 | 3 | US-10-142-419-219    | Sequence 219, App | 1361 | 54.5 | 10.9 | 282 | 2 | US-09-906-726A-127   | Sequence 127, App  |
| 1289 | 55   | 11.0 | 1076 | 3 | US-10-152-375-219    | Sequence 219, App | 1362 | 54.5 | 10.9 | 282 | 2 | US-09-905-449-127    | Sequence 127, App  |
| 1290 | 55   | 11.0 | 1076 | 3 | US-10-131-818A-219   | Sequence 219, App | 1363 | 54.5 | 10.9 | 282 | 2 | US-09-906-726A-127   | Sequence 127, App  |
| 1291 | 55   | 11.0 | 1076 | 3 | US-10-145-873-219    | Sequence 219, App | 1364 | 54.5 | 10.9 | 282 | 2 | US-09-905-449-127    | Sequence 127, App  |
| 1292 | 55   | 11.0 | 1076 | 3 | US-10-152-395-219    | Sequence 219, App | 1365 | 54.5 | 10.9 | 282 | 2 | US-09-906-618-127    | Sequence 127, App  |
| 1293 | 55   | 11.0 | 1076 | 3 | US-10-131-822A-219   | Sequence 219, App | 1366 | 54.5 | 10.9 | 282 | 2 | US-09-906-646-127    | Sequence 127, App  |
| 1294 | 55   | 11.0 | 1076 | 3 | US-10-142-763-219    | Sequence 219, App | 1367 | 54.5 | 10.9 | 282 | 2 | US-09-907-841-127    | Sequence 127, App  |
| 1295 | 55   | 11.0 | 1076 | 3 | US-10-128-694A-219   | Sequence 219, App | 1368 | 54.5 | 10.9 | 282 | 2 | US-09-906-838B-127   | Sequence 127, App  |
| 1296 | 55   | 11.0 | 1076 | 3 | US-10-123-213-219    | Sequence 219, App | 1369 | 54.5 | 10.9 | 282 | 3 | US-09-909-320-127    | Sequence 127, App  |
| 1297 | 55   | 11.0 | 1076 | 3 | US-10-123-909-219    | Sequence 219, App | 1370 | 54.5 | 10.9 | 282 | 3 | US-10-123-907-312    | Sequence 312, App  |
| 1298 | 55   | 11.0 | 1076 | 3 | US-10-131-826A-219   | Sequence 219, App | 1371 | 54.5 | 10.9 | 282 | 3 | US-10-147-512-312    | Sequence 312, App  |
| 1299 | 55   | 11.0 | 1076 | 3 | US-10-147-513-219    | Sequence 219, App | 1372 | 54.5 | 10.9 | 282 | 3 | US-09-907-942-127    | Sequence 127, App  |
| 1300 | 55   | 11.0 | 1076 | 3 | US-10-121-043-219    | Sequence 219, App | 1373 | 54.5 | 10.9 | 282 | 3 | US-09-906-815C-127   | Sequence 127, App  |
| 1301 | 55   | 11.0 | 1076 | 3 | US-10-139-980-219    | Sequence 36, Appl | 1374 | 54.5 | 10.9 | 282 | 3 | US-10-147-485-312    | Sequence 312, App  |
| 1302 | 55   | 11.0 | 1130 | 3 | US-10-391-364-36     | Sequence 36, Appl | 1375 | 54.5 | 10.9 | 282 | 3 | US-10-124-814-312    | Sequence 312, App  |
| 1303 | 55   | 11.0 | 1171 | 2 | US-09-560-385A-36    | Sequence 34, Appl | 1376 | 54.5 | 10.9 | 282 | 3 | US-10-124-822-312    | Sequence 312, App  |
| 1304 | 55   | 11.0 | 1192 | 2 | US-09-560-385A-34    | Sequence 32, Appl | 1377 | 54.5 | 10.9 | 282 | 3 | US-10-131-833A-312   | Sequence 312, App  |
| 1305 | 55   | 11.0 | 1192 | 2 | US-10-053-662A-32    | Sequence 2, Appli | 1378 | 54.5 | 10.9 | 282 | 3 | US-09-903-749A-127   | Sequence 127, App  |
| 1306 | 55   | 11.0 | 1431 | 2 | US-09-842-930A-2     | Sequence 2, Appli | 1379 | 54.5 | 10.9 | 282 | 3 | US-09-904-532B-127   | Sequence 127, App  |
| 1307 | 55   | 11.0 | 2052 | 2 | US-09-045-201A-2     | Sequence 2, Appli | 1380 | 54.5 | 10.9 | 282 | 3 | US-10-142-419-312    | Sequence 312, App  |
| 1308 | 55   | 11.0 | 2052 | 2 | US-09-619-062-2      | Sequence 11433, A | 1381 | 54.5 | 10.9 | 282 | 3 | US-10-152-375-312    | Sequence 312, App  |
| 1309 | 55   | 11.0 | 2733 | 2 | US-09-949-016-11433  | Sequence 6507, Ap | 1382 | 54.5 | 10.9 | 282 | 3 | US-09-905-075-127    | Sequence 127, App  |
| 1310 | 55   | 11.0 | 3259 | 2 | US-09-949-016-6507   | Sequence 108, App | 1383 | 54.5 | 10.9 | 282 | 3 | US-10-131-818A-312   | Sequence 312, App  |
| 1311 | 54.5 | 10.9 | 68   | 3 | US-09-899-495-108    | Sequence 41, Appl | 1384 | 54.5 | 10.9 | 282 | 3 | US-10-145-873-312    | Sequence 312, App  |
| 1312 | 54.5 | 10.9 | 92   | 1 | US-07-728-215-41     | Sequence 41, Appl | 1385 | 54.5 | 10.9 | 282 | 3 | US-10-152-395-312    | Sequence 312, App  |
| 1313 | 54.5 | 10.9 | 92   | 2 | US-08-938-085A-41    | Sequence 41, Appl | 1386 | 54.5 | 10.9 | 282 | 3 | US-10-131-822A-312   | Sequence 312, App  |
| 1314 | 54.5 | 10.9 | 92   | 2 | US-10-072-844-41     | Sequence 41, Appl | 1387 | 54.5 | 10.9 | 282 | 3 | US-10-123-909-312    | Sequence 312, App  |
| 1315 | 54.5 | 10.9 | 92   | 2 | US-10-072-838-41     | Sequence 41, Appl | 1388 | 54.5 | 10.9 | 282 | 3 | US-10-147-513-312    | Sequence 312, App  |
| 1316 | 54.5 | 10.9 | 92   | 2 | US-10-072-841A-41    | Sequence 41, Appl | 1389 | 54.5 | 10.9 | 282 | 3 | US-10-121-043-312    | Sequence 312, App  |
| 1317 | 54.5 | 10.9 | 92   | 2 | US-10-219-631A-41    | Sequence 41, Appl | 1390 | 54.5 | 10.9 | 282 | 3 | US-10-963-467-127    | Sequence 127, App  |
| 1318 | 54.5 | 10.9 | 103  | 2 | US-09-489-039A-7227  | Sequence 7227, Ap | 1391 | 54.5 | 10.9 | 282 | 3 | US-10-448-923-127    | Sequence 127, App  |
| 1319 | 54.5 | 10.9 | 124  | 3 | US-09-855-604A-727   | Sequence 727, App | 1392 | 54.5 | 10.9 | 282 | 3 | US-10-139-980-312    | Sequence 312, App  |
| 1320 | 54.5 | 10.9 | 163  | 2 | US-09-248-796A-26186 | Sequence 26186, A | 1393 | 54.5 | 10.9 | 282 | 3 | US-09-903-640A-127   | Sequence 127, App  |
| 1321 | 54.5 | 10.9 | 190  | 2 | US-09-902-540-12077  | Sequence 12077, A | 1394 | 54.5 | 10.9 | 282 | 3 | US-10-448-580-127    | Sequence 127, App  |
| 1322 | 54.5 | 10.9 | 232  | 2 | US-09-270-767-39931  | Sequence 39931, A | 1395 | 54.5 | 10.9 | 282 | 3 | US-10-147-513-312    | Sequence 312, App  |
| 1323 | 54.5 | 10.9 | 232  | 2 | US-09-270-767-55148  | Sequence 55148, A | 1396 | 54.5 | 10.9 | 282 | 3 | US-10-121-043-312    | Sequence 312, App  |
| 1324 | 54.5 | 10.9 | 259  | 2 | US-09-006-353A-2     | Sequence 2, Appli | 1397 | 54.5 | 10.9 | 282 | 3 | US-10-963-467-127    | Sequence 127, App  |
| 1325 | 54.5 | 10.9 | 259  | 2 | US-09-573-986-2      | Sequence 2, Appli | 1398 | 54.5 | 10.9 | 282 | 3 | US-10-448-923-127    | Sequence 127, App  |
| 1326 | 54.5 | 10.9 | 259  | 2 | US-10-123-292-300    | Sequence 300, App | 1399 | 54.5 | 10.9 | 282 | 3 | US-10-139-980-312    | Sequence 312, App  |
| 1327 | 54.5 | 10.9 | 259  | 3 | US-09-826-212A-2     | Sequence 2, Appli | 1400 | 54.5 | 10.9 | 299 | 2 | US-09-153-927-3      | Sequence 3, Appli  |
| 1328 | 54.5 | 10.9 | 259  | 3 | US-10-152-398-300    | Sequence 300, App | 1401 | 54.5 | 10.9 | 299 | 2 | US-09-134-618-4      | Sequence 4, Appli  |
| 1329 | 54.5 | 10.9 | 259  | 3 | US-10-123-907-300    | Sequence 300, App | 1402 | 54.5 | 10.9 | 299 | 2 | US-09-949-016-6422   | Sequence 6422, Ap  |
| 1330 | 54.5 | 10.9 | 259  | 3 | US-10-147-512-300    | Sequence 300, App | 1403 | 54.5 | 10.9 | 299 | 2 | US-10-139-785-2      | Sequence 2, Appli  |
| 1331 | 54.5 | 10.9 | 259  | 3 | US-10-147-485-300    | Sequence 300, App | 1404 | 54.5 | 10.9 | 299 | 2 | US-09-949-016-9189   | Sequence 9189, Ap  |
| 1332 | 54.5 | 10.9 | 259  | 3 | US-10-124-814-300    | Sequence 300, App | 1405 | 54.5 | 10.9 | 301 | 2 | US-10-703-032-122198 | Sequence 122198, A |
| 1333 | 54.5 | 10.9 | 259  | 3 | US-10-124-822-300    | Sequence 300, App | 1406 | 54.5 | 10.9 | 311 | 3 | US-09-489-039A-8062  | Sequence 8062, Ap  |
| 1334 | 54.5 | 10.9 | 259  | 3 | US-10-131-833A-300   | Sequence 300, App | 1407 | 54.5 | 10.9 | 322 | 2 | US-09-248-796A-15932 | Sequence 15932, A  |
| 1335 | 54.5 | 10.9 | 259  | 3 | US-10-142-419-300    | Sequence 300, App | 1408 | 54.5 | 10.9 | 330 | 3 | US-10-703-032-109749 | Sequence 109749, A |
| 1336 | 54.5 | 10.9 | 259  | 3 | US-10-152-375-300    | Sequence 300, App | 1409 | 54.5 | 10.9 | 344 | 2 | US-10-037-417-44     | Sequence 44, Appl  |
| 1337 | 54.5 | 10.9 | 259  | 3 | US-10-131-818A-300   | Sequence 300, App | 1410 | 54.5 | 10.9 | 357 | 2 | US-10-037-417-46     | Sequence 46, Appl  |
| 1338 | 54.5 | 10.9 | 259  | 3 | US-10-145-873-300    | Sequence 300, App | 1411 | 54.5 | 10.9 | 419 | 3 | US-09-540-209B-6160  | Sequence 6160, Ap  |
| 1339 | 54.5 | 10.9 | 259  | 3 | US-10-152-395-300    | Sequence 300, App | 1412 | 54.5 | 10.9 | 435 | 2 | US-09-252-991A-23753 | Sequence 23753, A  |
| 1340 | 54.5 | 10.9 | 259  | 3 | US-10-131-822A-300   | Sequence 300, App | 1413 | 54.5 | 10.9 | 442 | 1 | US-08-208-108-2      | Sequence 2, Appli  |



```
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 10/016,481
; PRIOR FILING DATE: 2001-11-01
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-323-157A-3

Query Match 100.0%; Score 498; DB 3; Length 86;
Best Local Similarity 100.0%; Pred. No. 6.7e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTCP 60

Qy 61 CLPNLLCSRFDPDGRYRCMDLNINP 86
Db 61 CLPNLLCSRFDPDGRYRCMDLNINP 86

RESULT 3
US-10-231-411A-7
; Sequence 7, Application US/10231411A
; Patent No. 7060278
; GENERAL INFORMATION:
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Le Couter, Jennifer
; TITLE OF INVENTION: BVS NUCLEIC ACIDS AND POLYPEPTIDES WITH MITOGENIC ACTIVITY
; FILE REFERENCE: GENENT.088A
; CURRENT APPLICATION NUMBER: US/10/231,411A
; CURRENT FILING DATE: 2002-08-27
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-231-411A-7

Query Match 100.0%; Score 498; DB 3; Length 86;
Best Local Similarity 100.0%; Pred. No. 6.7e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTCP 60

Qy 61 CLPNLLCSRFDPDGRYRCMDLNINP 86
Db 61 CLPNLLCSRFDPDGRYRCMDLNINP 86

; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 10/016,481
; PRIOR FILING DATE: 2001-11-01
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-323-157A-3

Query Match 100.0%; Score 498; DB 3; Length 86;
Best Local Similarity 100.0%; Pred. No. 6.7e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTCP 60

Qy 61 CLPNLLCSRFDPDGRYRCMDLNINP 86
Db 61 CLPNLLCSRFDPDGRYRCMDLNINP 86

RESULT 4
US-10-811-328-3
; Sequence 3, Application US/10811328
; Patent No. 7115560
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Gastric Secretion
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-365
; CURRENT APPLICATION NUMBER: US/10/811,328
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: 60/457,891
; PRIOR FILING DATE: 2003-03-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
```

```
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-811-328-3

Query Match 100.0%; Score 498; DB 3; Length 86;
Best Local Similarity 100.0%; Pred. No. 6.7e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTCP 60

Qy 61 CLPNLLCSRFDPDGRYRCMDLNINP 86
Db 61 CLPNLLCSRFDPDGRYRCMDLNINP 86

RESULT 5
US-10-323-157A-18
; Sequence 18, Application US/10323157A
; Patent No. 7052674
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; APPLICANT: Ehler, Frederick
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: 66678-144 (UC 5534)
; CURRENT APPLICATION NUMBER: US/10/323,157A
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 10/016,481
; PRIOR FILING DATE: 2001-11-01
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-323-157A-18

Query Match 100.0%; Score 498; DB 3; Length 87;
Best Local Similarity 100.0%; Pred. No. 6.7e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 2 AVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTCP 61

Qy 61 CLPNLLCSRFDPDGRYRCMDLNINP 86
Db 62 CLPNLLCSRFDPDGRYRCMDLNINP 87

RESULT 6
US-10-811-328-18
; Sequence 18, Application US/10811328
; Patent No. 7115560
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Gastric Secretion
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-365
; CURRENT APPLICATION NUMBER: US/10/811,328
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: 60/457,891
; PRIOR FILING DATE: 2003-03-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
```

```
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-811-328-18

Query Match 100.0%; Score 498; DB 3; Length 87;
Best Local Similarity 100.0%; Pred. No. 6.7e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTTCP 60
Db 2 AVITGACERDVQCAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTTCP 61

Qy 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
Db 62 CLPNLLCSRFPDGRYRCSDMLKNINF 87

RESULT 7
US-10-323-157A-15
; Sequence 15, Application US/10323157A
; Patent No. 7052674
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; APPLICANT: Ehler, Frederick
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: 66678-144 (UC 5534)
; CURRENT APPLICATION NUMBER: US/10/323,157A
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 10/016,481
; PRIOR FILING DATE: 2001-11-01
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-323-157A-15

Query Match 100.0%; Score 498; DB 3; Length 89;
Best Local Similarity 100.0%; Pred. No. 6.9e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTTCP 60
Db 4 AVITGACERDVQCAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTTCP 63

Qy 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
Db 64 CLPNLLCSRFPDGRYRCSDMLKNINF 89

RESULT 8
US-10-811-328-15
; Sequence 15, Application US/10811328
; Patent No. 7115560
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Gastric Secretion
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-365
; CURRENT APPLICATION NUMBER: US/10/811,328
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: 60/457,891
; PRIOR FILING DATE: 2003-03-25
; NUMBER OF SEQ ID NOS: 32
```

```
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-811-328-15

Query Match 100.0%; Score 498; DB 3; Length 89;
Best Local Similarity 100.0%; Pred. No. 6.9e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTTCP 60
Db 4 AVITGACERDVQCAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTTCP 63

Qy 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
Db 64 CLPNLLCSRFPDGRYRCSDMLKNINF 89

RESULT 9
US-09-712-529-5
; Sequence 5, Application US/09712529
; Patent No. 6485938
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Bishop, Paul D.
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Thompson, Penny P.
; TITLE OF INVENTION: Human Zven Proteins
; FILE REFERENCE: 99-81
; CURRENT APPLICATION NUMBER: US/09/712,529
; CURRENT FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-712-529-5

Query Match 100.0%; Score 498; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 8.3e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTTCP 60
Db 20 AVITGACERDVQCAGTCCCAISLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRKHTTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 10
US-10-212-201A-5
; Sequence 5, Application US/10212201A
; Patent No. 6756479
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Bishop, Paul D.
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Thompson, Penny P.
; TITLE OF INVENTION: Human Zven Proteins
; FILE REFERENCE: 99-81
; CURRENT APPLICATION NUMBER: US/10/212,201A
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: US/09/712,529
; PRIOR FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 3.0
```

```

; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-212-201A-5

Query Match 100.0%; Score 498; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 8.3e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVQCAGTCCCAISLWLRGLRMCTPLGRGEGCHPGSHKVPFPRKRKHHHTCP 60
Db 20 AVITGACRDVQCAGTCCCAISLWLRGLRMCTPLGRGEGCHPGSHKVPFPRKRKHHHTCP 79

QY 61 CLPNLLCSRPDGRYRCSDMLKNINF 86
Db 80 CLPNLLCSRPDGRYRCSDMLKNINF 105

RESULT 11
US-10-212-355-5
; Sequence 5, Application US/10212355
; Patent No. 6828425
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Bishop, Paul D.
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Thompson, Penny P.
; TITLE OF INVENTION: Human Zven Proteins
; FILE REFERENCE: 99-81
; CURRENT APPLICATION NUMBER: US/10/212,355
; CURRENT FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-212-355-5

Query Match 100.0%; Score 498; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 8.3e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVQCAGTCCCAISLWLRGLRMCTPLGRGEGCHPGSHKVPFPRKRKHHHTCP 60
Db 20 AVITGACRDVQCAGTCCCAISLWLRGLRMCTPLGRGEGCHPGSHKVPFPRKRKHHHTCP 79

QY 61 CLPNLLCSRPDGRYRCSDMLKNINF 86
Db 80 CLPNLLCSRPDGRYRCSDMLKNINF 105

RESULT 12
US-09-991-181-371
; Sequence 371, Application US/09991181
; Patent No. 6913919
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deanoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.

```

```

; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C53
; CURRENT APPLICATION NUMBER: US/09/991,181
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742

```

;  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088810  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088824  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088826  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088858  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/088861  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/088876  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/089105  
; PRIOR FILING DATE: 1998-06-12  
; PRIOR APPLICATION NUMBER: 60/089440  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089512  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089514  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089538  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089598  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089599  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089600  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089653  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089801  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089907  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089948  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089952  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/090246  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090252  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090254  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090349  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090355  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090429  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090431  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090435  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090444  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090445  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090535  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090540  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090542  
; PRIOR FILING DATE: 1998-06-24

;  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090676  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090678  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090690  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090694  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090696  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090862  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/090863  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/091360  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091478  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091544  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091626  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09  
;  
Query Match 100.0%; Score 498; DB 2; Length 105;  
Best Local Similarity 100.0%; Pred. No. 8.3e-51;  
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
;  
QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKKHHTCP 60  
Db 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKKHHTCP 79  
;  
QY 61 CLPNLLCSRFDPDGRYRCSDMLKXNPF 86  
Db 80 CLPNLLCSRFDPDGRYRCSDMLKXNPF 105  
;  
RESULT 13  
US-09-990-444-371  
; Sequence 371, Application US/09990444  
; Patent No. 6930170  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann



APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C19  
CURRENT APPLICATION NUMBER: US/09/990,444  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676



```

; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25

; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 498; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 8.3e-51;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKXKHTCP 60
Db 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKXKHTCP 79
Qy 61 CLPNLLCSRFPDGRYRCMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 15
US-09-992-598-371
; Sequence 371, Application US/09992598
; Patent No. 6956108
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
```

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2730P1C20

; CURRENT APPLICATION NUMBER: US/09/992,598

; PRIOR FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066770

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945

; PRIOR FILING DATE: 1998-02-25

; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20

; PRIOR APPLICATION NUMBER: 60/083322

; PRIOR FILING DATE: 1998-04-28

; PRIOR APPLICATION NUMBER: 60/084600

; PRIOR FILING DATE: 1998-05-07

; PRIOR APPLICATION NUMBER: 60/087106

; PRIOR FILING DATE: 1998-05-28

; PRIOR APPLICATION NUMBER: 60/087607

; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087609

; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087759

; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087827

; PRIOR FILING DATE: 1998-06-03

; PRIOR APPLICATION NUMBER: 60/088021

; PRIOR FILING DATE: 1998-06-04

; PRIOR APPLICATION NUMBER: 60/088025

; PRIOR FILING DATE: 1998-06-04

; PRIOR APPLICATION NUMBER: 60/088026

; PRIOR FILING DATE: 1998-06-04

; PRIOR APPLICATION NUMBER: 60/088028

; PRIOR FILING DATE: 1998-06-04

; PRIOR APPLICATION NUMBER: 60/088029

; PRIOR FILING DATE: 1998-06-04

; PRIOR APPLICATION NUMBER: 60/088030

; PRIOR FILING DATE: 1998-06-04

; PRIOR APPLICATION NUMBER: 60/088033

; PRIOR FILING DATE: 1998-06-04

; PRIOR APPLICATION NUMBER: 60/088326

; PRIOR FILING DATE: 1998-06-04

; PRIOR APPLICATION NUMBER: 60/088167

; PRIOR FILING DATE: 1998-06-05

; PRIOR APPLICATION NUMBER: 60/088202

; PRIOR FILING DATE: 1998-06-05

; PRIOR APPLICATION NUMBER: 60/088212

; PRIOR FILING DATE: 1998-06-05

; PRIOR APPLICATION NUMBER: 60/088217

; PRIOR FILING DATE: 1998-06-05

; PRIOR APPLICATION NUMBER: 60/088655

; PRIOR FILING DATE: 1998-06-09

; PRIOR APPLICATION NUMBER: 60/088734

; PRIOR FILING DATE: 1998-06-10

; PRIOR APPLICATION NUMBER: 60/088738

; PRIOR FILING DATE: 1998-06-10

; PRIOR APPLICATION NUMBER: 60/088742

; PRIOR FILING DATE: 1998-06-10

; PRIOR APPLICATION NUMBER: 60/088810

; PRIOR FILING DATE: 1998-06-10

; PRIOR APPLICATION NUMBER: 60/088824

; PRIOR FILING DATE: 1998-06-10

; PRIOR APPLICATION NUMBER: 60/088826

; PRIOR FILING DATE: 1998-06-10

; PRIOR APPLICATION NUMBER: 60/088858

; PRIOR FILING DATE: 1998-06-11

; PRIOR APPLICATION NUMBER: 60/088861

; PRIOR FILING DATE: 1998-06-11

; PRIOR APPLICATION NUMBER: 60/088876

; PRIOR FILING DATE: 1998-06-11

; PRIOR APPLICATION NUMBER: 60/089105

; PRIOR FILING DATE: 1998-06-12

; PRIOR APPLICATION NUMBER: 60/089440

; PRIOR FILING DATE: 1998-06-16

; PRIOR APPLICATION NUMBER: 60/089512

; PRIOR FILING DATE: 1998-06-16

; PRIOR APPLICATION NUMBER: 60/089514

; PRIOR FILING DATE: 1998-06-16

; PRIOR APPLICATION NUMBER: 60/089532

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: 60/089538

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: 60/089598

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: 60/089599

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: 60/089600

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: 60/089653

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: 60/089801

; PRIOR FILING DATE: 1998-06-18

; PRIOR APPLICATION NUMBER: 60/089907

; PRIOR FILING DATE: 1998-06-18

; PRIOR APPLICATION NUMBER: 60/089908

; PRIOR FILING DATE: 1998-06-18

; PRIOR APPLICATION NUMBER: 60/089947

; PRIOR FILING DATE: 1998-06-19

; PRIOR APPLICATION NUMBER: 60/089948

; PRIOR FILING DATE: 1998-06-19

; PRIOR APPLICATION NUMBER: 60/089952

; PRIOR FILING DATE: 1998-06-19

; PRIOR APPLICATION NUMBER: 60/090246

; PRIOR FILING DATE: 1998-06-22

; PRIOR APPLICATION NUMBER: 60/090252

; PRIOR FILING DATE: 1998-06-22

; PRIOR APPLICATION NUMBER: 60/090254

; PRIOR FILING DATE: 1998-06-22

; PRIOR APPLICATION NUMBER: 60/090349

; PRIOR FILING DATE: 1998-06-23

; PRIOR APPLICATION NUMBER: 60/090355

; PRIOR FILING DATE: 1998-06-23

; PRIOR APPLICATION NUMBER: 60/090429

; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090431

; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090435

; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090444

; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090445

; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090472

; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090535

; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090540

; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090542

; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090557

; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090676

; PRIOR FILING DATE: 1998-06-25

; PRIOR APPLICATION NUMBER: 60/090678

; PRIOR FILING DATE: 1998-06-25

; PRIOR APPLICATION NUMBER: 60/090690

; PRIOR FILING DATE: 1998-06-25

; PRIOR APPLICATION NUMBER: 60/090694

;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 498; DB 2; Length 105;  
Best Local Similarity 100.0%; Pred. No. 8.3e-51;  
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

|    |    |                                                           |     |
|----|----|-----------------------------------------------------------|-----|
| Qy | 1  | AVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFRKXHTCP | 60  |
| Db | 20 | AVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFRKXHTCP | 79  |
| Qy | 61 | CLPNLCSRFPDGRYCSMDLKNINF                                  | 86  |
| Db | 80 | CLPNLCSRFPDGRYCSMDLKNINF                                  | 105 |

Search completed: November 29, 2007, 17:18:39  
Job time : 39.3717 secs

OM protein - protein search, using sw model  
Run on: November 29, 2007, 17:14:38 ; Search time 294 Seconds  
(without alignments)  
143.348 Million cell updates/sec

Title: US-10-692-299-2\_COPY\_20\_105  
Perfect score: 498  
Sequence: 1 AVITGACERDVQCGAGTCCA.....CSRPPDGRYCRSMDLKNINP 86  
Scoring table: BLOSUM62

Searched: Gapop 10.0, Gapext 0.5  
2782304 seq, 489333398 residues  
Total number of hits satisfying chosen parameters: 2782304  
Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%

Database :  
Listing first 1500 summaries  
A\_Geneseq\_200701.\*  
1: Geneseqp1980s.\*  
2: Geneseqp1990s.\*  
3: Geneseqp2000s.\*  
4: Geneseqp2001s.\*  
5: Geneseqp2002s.\*  
6: Geneseqp2003as.\*  
7: Geneseqp2003bs.\*  
8: Geneseqp2004s.\*  
11: Geneseqp2007s.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Summaries

| No.                   | Score                                                             | Match                     | Length | DB         | ID | Description |
|-----------------------|-------------------------------------------------------------------|---------------------------|--------|------------|----|-------------|
| RESULT 1              |                                                                   |                           |        |            |    |             |
| ID                    | ABF70146                                                          | standard; protein; 86 AA. |        |            |    |             |
| DE                    | Human G protein-coupled receptor protein-related sequence #2.     |                           |        |            |    |             |
| PN                    | WO200116309-A1.                                                   |                           |        |            |    |             |
| PD                    | 08-MAR-2001.                                                      |                           |        |            |    |             |
| PA                    | (TAKE ) TAKEDA CHEM IND LTD.                                      |                           |        |            |    |             |
| Query Match           | 100.0%;                                                           | Score 498;                | DB 4;  | Length 86; |    |             |
| Best Local Similarity | 100.0%;                                                           | Pred. No. 9.6e-47;        |        |            |    |             |
| RESULT 2              |                                                                   |                           |        |            |    |             |
| ID                    | ABB76801                                                          | standard; protein; 86 AA. |        |            |    |             |
| DE                    | Human ZAQ-1.                                                      |                           |        |            |    |             |
| PN                    | WO200208417-A1.                                                   |                           |        |            |    |             |
| PD                    | 31-JAN-2002.                                                      |                           |        |            |    |             |
| PA                    | (TAKE ) TAKEDA CHEM IND LTD.                                      |                           |        |            |    |             |
| Query Match           | 100.0%;                                                           | Score 498;                | DB 5;  | Length 86; |    |             |
| Best Local Similarity | 100.0%;                                                           | Pred. No. 9.6e-47;        |        |            |    |             |
| RESULT 3              |                                                                   |                           |        |            |    |             |
| ID                    | ABJ05338                                                          | standard; protein; 86 AA. |        |            |    |             |
| DE                    | Human ZAQ protein ligand.                                         |                           |        |            |    |             |
| PN                    | WO200236762-A1.                                                   |                           |        |            |    |             |
| PD                    | 10-MAY-2002.                                                      |                           |        |            |    |             |
| PA                    | (TAKE ) TAKEDA CHEM IND LTD.                                      |                           |        |            |    |             |
| Query Match           | 100.0%;                                                           | Score 498;                | DB 5;  | Length 86; |    |             |
| Best Local Similarity | 100.0%;                                                           | Pred. No. 9.6e-47;        |        |            |    |             |
| RESULT 4              |                                                                   |                           |        |            |    |             |
| ID                    | AAQ15529                                                          | standard; protein; 86 AA. |        |            |    |             |
| DE                    | Human physiologically-active ZAQ ligand-related protein 4.        |                           |        |            |    |             |
| PN                    | WO200257443-A1.                                                   |                           |        |            |    |             |
| PD                    | 23-JUL-2002.                                                      |                           |        |            |    |             |
| PA                    | (TAKE ) TAKEDA CHEM IND LTD.                                      |                           |        |            |    |             |
| Query Match           | 100.0%;                                                           | Score 498;                | DB 5;  | Length 86; |    |             |
| Best Local Similarity | 100.0%;                                                           | Pred. No. 9.6e-47;        |        |            |    |             |
| RESULT 5              |                                                                   |                           |        |            |    |             |
| ID                    | ABB06306                                                          | standard; protein; 86 AA. |        |            |    |             |
| DE                    | Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:21. |                           |        |            |    |             |
| PN                    | WO200206483-A1.                                                   |                           |        |            |    |             |
| PD                    | 24-JAN-2002.                                                      |                           |        |            |    |             |
| PA                    | (TAKE ) TAKEDA CHEM IND LTD.                                      |                           |        |            |    |             |
| Query Match           | 100.0%;                                                           | Score 498;                | DB 5;  | Length 86; |    |             |
| Best Local Similarity | 100.0%;                                                           | Pred. No. 9.6e-47;        |        |            |    |             |
| RESULT 6              |                                                                   |                           |        |            |    |             |
| ID                    | AAE24383                                                          | standard; protein; 86 AA. |        |            |    |             |

---

DE Human prokineticin 1 mature protein.  
PN WO200236625-A2.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 100.0%; Score 498; DB 5; Length 86;  
Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
RESULT 7  
ID AD069104 standard; protein; 86 AA.  
DE Human ZAQ-related protein - SEQ ID 82.  
PN WO200306860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 100.0%; Score 498; DB 7; Length 86;  
Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
RESULT 8  
ID ADO05360 standard; protein; 86 AA.  
DE Human prokineticin 1 (PK1), SEQ ID NO:9.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 100.0%; Score 498; DB 7; Length 86;  
Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
RESULT 9  
ID ADN43256 standard; protein; 86 AA.  
DE Amino acid sequence of human prokineticin 1 (PK1).  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 100.0%; Score 498; DB 8; Length 86;  
Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
RESULT 10  
ID ADR24003 standard; protein; 86 AA.  
DE Human ZAQ-1 ligand protein #1.  
PN WO2004065419-A1.  
PD 05-AUG-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 100.0%; Score 498; DB 8; Length 86;  
Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
RESULT 11  
ID ADS86471 standard; protein; 86 AA.  
DE Human ZAQ ligand protein related to eating disorders & obesity Seq 3.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 100.0%; Score 498; DB 8; Length 86;  
Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
RESULT 12  
ID ADS75494 standard; protein; 86 AA.  
DE Human prokineticin 1 receptor protein.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 100.0%; Score 498; DB 8; Length 86;  
Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
RESULT 13  
ID ADW0759 standard; protein; 86 AA.  
DE Amino acid sequence of human prokineticin 1 (PK1).  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 100.0%; Score 498; DB 9; Length 86;  
Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
RESULT 14  
ID ADZ58575 standard; protein; 86 AA.  
DE Human ZAQ-1 amino acid sequence - SEQ ID 2.  
PN WO2005037870-A1.  
PD 28-APR-2005.  
PA (TAKE ) TAKEDA PHARM CO LTD.  
Query Match 100.0%; Score 498; DB 9; Length 86;  
Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
RESULT 15  
ID AEB45594 standard; protein; 86 AA.  
DE Human Zven2 protein fragment.

PN US2005153322-A1.  
 PD 14-JUL-2005.  
 PA (ZYMO) ZYMOGENETICS INC.  
 Query Match 100.0%; Score 498; DB 9; Length 86;  
 Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
 RESULT 16  
 ID AED00599 standard; protein; 86 AA.  
 DE Partial human prokineticin 1 (PK1) SEQ ID NO 11.  
 PN WO2005091925-A2.  
 PD 06-OCT-2005.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 100.0%; Score 498; DB 9; Length 86;  
 Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
 RESULT 17  
 ID AAE43367 standard; protein; 86 AA.  
 DE Human prokineticin 1 (PK1) protein, SEQ ID NO: 9.  
 PN US2006172935-A1.  
 PD 03-AUG-2006.  
 PA (ZHOU/) ZHOU Q.  
 PA (BULL/) BULLOCK C M.  
 PA (SIEG/) SIEGEL J.  
 Query Match 100.0%; Score 498; DB 10; Length 86;  
 Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
 RESULT 18  
 ID AEK60512 standard; protein; 86 AA.  
 DE Human prokineticin 1.  
 PN WO2006102112-A2.  
 PD 28-SEP-2006.  
 PA (JANC) JANSSEN PHARM NV.  
 Query Match 100.0%; Score 498; DB 10; Length 86;  
 Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
 RESULT 19  
 ID AEL00449 standard; protein; 86 AA.  
 DE Human human prokineticin-1 ligand #1.  
 PN WO2006104713-A1.  
 PD 05-OCT-2006.  
 PA (JANC) JANSSEN PHARM NV.  
 PA (MISK/) MISKOWSKI T A.  
 Query Match 100.0%; Score 498; DB 10; Length 86;  
 Best Local Similarity 100.0%; Pred. No. 9.6e-47;  
 RESULT 20  
 ID AAE24395 standard; protein; 87 AA.  
 DE Human prokineticin 1 mutant protein #4.  
 PN WO200236825-A2.  
 PD 10-MAY-2002.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 100.0%; Score 498; DB 5; Length 87;  
 Best Local Similarity 100.0%; Pred. No. 9.7e-47;  
 RESULT 21  
 ID ADS75509 standard; protein; 87 AA.  
 DE Prokineticin receptor antagonist Met PK1.  
 PN WO2004087054-A2.  
 PD 14-OCT-2004.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 100.0%; Score 498; DB 8; Length 87;  
 Best Local Similarity 100.0%; Pred. No. 9.7e-47;  
 RESULT 22  
 ID AAE24392 standard; protein; 89 AA.  
 DE Human prokineticin 1 mutant protein #1.  
 PN WO200236825-A2.  
 PD 10-MAY-2002.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 100.0%; Score 498; DB 5; Length 89;  
 Best Local Similarity 100.0%; Pred. No. 9.9e-47;  
 RESULT 23  
 ID ADS75506 standard; protein; 89 AA.  
 DE Prokineticin receptor related synthetic construct protein, SEQ ID 15.  
 PN WO2004087054-A2.  
 PD 14-OCT-2004.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 100.0%; Score 498; DB 8; Length 89;  
 Best Local Similarity 100.0%; Pred. No. 9.9e-47;  
 RESULT 24

---

ID AAY66745 standard; protein; 105 AA.  
 DE Membrane-bound protein PRO1186.  
 PN WO9963088-A2.  
 PD 09-DEC-1999.  
 PA (GETH) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 3; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 25  
 ID AAB18453 standard; protein; 105 AA.  
 DE A human TANGO 266 polypeptide.  
 PN WO2000052022-A1.  
 PD 08-SEP-2000.  
 PA (MILL-) MILLENNIUM PHARM INC.  
 Query Match 100.0%; Score 498; DB 3; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 26  
 ID AAB70148 standard; protein; 105 AA.  
 DE Human G protein-coupled receptor protein-related sequence #4.  
 PN WO200116309-A1.  
 PD 08-MAR-2001.  
 PA (TAKE) TAKEDA CHEM IND LTD.  
 Query Match 100.0%; Score 498; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 27  
 ID AAB68427 standard; protein; 105 AA.  
 DE Amino acid sequence of a human zven2 polypeptide.  
 PN WO200136465-A2.  
 PD 25-MAY-2001.  
 PA (ZYMO) ZYMOGENETICS INC.  
 Query Match 100.0%; Score 498; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 28  
 ID AAU12406 standard; protein; 105 AA.  
 DE Human PRO1186 polypeptide sequence.  
 PN WO200140466-A2.  
 PD 07-JUN-2001.  
 PA (GETH) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 29  
 ID AAB53096 standard; protein; 105 AA.  
 DE Human angiogenesis-associated protein PRO1186, SEQ ID NO:165.  
 PN WO200053753-A2.  
 PD 14-SEP-2000.  
 PA (GETH) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 30  
 ID AAB65268 standard; protein; 105 AA.  
 DE Human PRO1186 (UNQ600) protein sequence SEQ ID NO:371.  
 PN WO200073454-A1.  
 PD 07-DEC-2000.  
 PA (GETH) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 31  
 ID AAB48175 standard; protein; 105 AA.  
 DE Human PRO1186 polypeptide.  
 PN WO200075327-A1.  
 PD 14-DEC-2000.  
 PA (GETH) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 32  
 ID AAB48067 standard; protein; 105 AA.  
 DE Human extracellular signaling molecule (EXCS) (ID 2006548CD1).  
 PN WO200070049-A2.  
 PD 23-NOV-2000.  
 PA (INCY-) INCYTE GENOMICS INC.  
 Query Match 100.0%; Score 498; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 33  
 ID AAM50773 standard; protein; 105 AA.



DE Endocrine gland-derived vascular endothelial growth factor.  
 PN WO200200711-A2.  
 PD 03-JAN-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 34  
 ID AAU83674 standard; protein; 105 AA.  
 DE Human PRO protein, Seq ID No 166.  
 PN WO200208288-A2.  
 PD 31-JAN-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 35  
 ID ABB84902 standard; protein; 105 AA.  
 DE Human PRO1186 protein sequence SEQ ID NO:172.  
 PN WO20020690-A2.  
 PD 03-JAN-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 36  
 ID AAO15527 standard; protein; 105 AA.  
 DE Human physiologically-active ZAQ ligand-related protein 3.  
 PN WO200257443-A1.  
 PD 25-JUL-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 100.0%; Score 498; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 37  
 ID ABB06308 standard; protein; 105 AA.  
 DE Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:23.  
 PN WO200206483-A1.  
 PD 24-JAN-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 100.0%; Score 498; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 38  
 ID AAE24382 standard; protein; 105 AA.  
 DE Human prokineticin 1 precursor protein.  
 PN WO200236625-A2.  
 PD 10-MAY-2002.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 100.0%; Score 498; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 39  
 ID ABB95508 standard; protein; 105 AA.  
 DE Human angiogenesis related protein PRO1186 SEQ ID NO: 172.  
 PN WO200208284-A2.  
 PD 31-JAN-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 40  
 ID ABB95508 standard; protein; 105 AA.  
 DE Human angiogenesis related protein PRO1186 SEQ ID NO: 172.  
 PN WO200208284-A2.  
 PD 31-JAN-2002.  
 PA (BAKE ) BAKER K P.  
 PA (FERR ) FERRARA N.  
 PA (GERB ) GERBER H.  
 PA (GERR ) GERRITSEN M E.  
 PA (GODO ) GODDARD A.  
 PA (GODO ) GODOWSKI P J.  
 PA (GURN ) GURNEY A L.  
 PA (HILL ) HILLMAN K J.  
 PA (MARS ) MARSTERS S A.  
 PA (PANJ ) PAN J.  
 PA (PAON ) PAONI N F.  
 PA (STEP ) STEPHAN J F.  
 PA (WATA ) WATANABE C K.  
 PA (WILL ) WILLIAMS P M.  
 PA (WOOD ) WOOD W I.  
 Query Match 100.0%; Score 498; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 40  
 ID ADY31906 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN WO200193983-A1.

PD 13-DEC-2001.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 41  
 ID ABU58083 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003027163-A1.  
 PD 06-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 42  
 ID ABU59161 standard; protein; 105 AA.  
 DE Novel human secreted or transmembrane protein PRO1186.  
 PN US2002132252-A1.  
 PD 19-SEP-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 43  
 ID ABU82673 standard; protein; 105 AA.  
 DE Human secreted/transmembrane protein PRO1186.  
 PN US2003032023-A1.  
 PD 13-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 44  
 ID ABO17850 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003032156-A1.  
 PD 13-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 45  
 ID ABU60892 standard; protein; 105 AA.  
 DE Human secreted/transmembrane protein, #151.  
 PN US2002160384-A1.  
 PD 31-OCT-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 46  
 ID ABU80821 standard; protein; 105 AA.  
 DE Human PRO polypeptide #83.  
 PN US2003036635-A1.  
 PD 20-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 47  
 ID ABO33787 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003045687-A1.  
 PD 06-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 100.0%; Score 498; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 48  
 ID ABU13974 standard; protein; 105 AA.  
 DE Human PRO1186 polypeptide.  
 PN US2002103125-A1.  
 PD 01-AUG-2002.  
 PA (GETH ) GENENTECH LTD.  
 Query Match 100.0%; Score 498; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 49  
 ID ABU08800 standard; protein; 105 AA.  
 DE Human endocrine gland-derived vascular endothelial growth factor.  
 PN US2002192834-A1.  
 PD 19-DEC-2002.  
 PA (FERR ) FERRARA N.  
 PA (WATA ) WATANABE C.

PA (WOOD/) WOOD W I.  
PA (SHEK/) SHEK T.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 50  
ID ABU81104 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003004311-A1.  
PD 02-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 51  
ID ABU07603 standard; protein; 105 AA.  
DE Human ZVEN2.  
PN US6485938-B1.  
PD 26-NOV-2002.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 52  
ID ABU72559 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003003531-A1.  
PD 02-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 53  
ID ABU66804 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003036180-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 54  
ID ABU59885 standard; protein; 105 AA.  
DE Novel secreted and transmembrane protein PRO1186.  
PN US2003017563-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 55  
ID ABU59308 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein, #151.  
PN US2003027162-A1.  
PD 06-FEB-2003.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 56  
ID ABO26005 standard; protein; 105 AA.  
DE Human PRO1186 polypeptide.  
PN US2002127576-A1.  
PD 12-SEP-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 57  
ID ABO25075 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein (PRO) #235.  
PN US2003036179-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 58  
ID ABU82130 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003088063-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 59  
ID ABU59014 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein, #151.  
PN US2002142961-A1.  
PD 03-OCT-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 60  
ID ABU92392 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003022187-A1.  
PD 30-JAN-2003.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 61  
ID ABU59457 standard; protein; 105 AA.  
DE Novel human secreted or transmembrane protein PRO1198.  
PN US2003027985-A1.  
PD 06-FEB-2003.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 62  
ID ABU67080 standard; protein; 105 AA.  
DE Human secreted/transmembrane, PRO, protein SEQ ID 470.  
PN US2003032155-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 63  
ID ABU92223 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003017476-A1.  
PD 23-JAN-2003.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 64  
ID ABU10929 standard; protein; 105 AA.  
DE Human PRO polypeptide #115.  
PN US2002123463-A1.  
PD 05-SEP-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 65  
ID ABU81681 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2002177164-A1.  
PD 28-NOV-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 66  
ID ABU88620 standard; protein; 105 AA.  
DE Human secreted and transmembrane polypeptide PRO1186.  
PN US2002197615-A1.  
PD 26-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 67  
ID ABO34134 standard; protein; 105 AA.  
DE Human PRO1186 polypeptide.  
PN US2003017981-A1.  
PD 23-JAN-2003.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 68  
ID ADA45989 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.

PD US2003022328-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 69  
ID ADA76420 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073212-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 70  
ID AB372310 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003050448-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 71  
ID ADA19070 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003054517-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 72  
ID ADA61693 standard; protein; 105 AA.  
DE Homo sapiens.  
PN US2003049816-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 73  
ID ADB19478 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003068796-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 74  
ID ADB28019 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082704-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 75  
ID ADA86498 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082711-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 76  
ID ADB16062 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003087350-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 77  
ID ADA37882 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003008297-A1.

PD 09-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 78  
ID ADA47848 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073215-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 79  
ID ADA21568 standard; protein; 105 AA.  
DE Human secreted/transmembrane polypeptide PRO1186.  
PN US2003054404-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 80  
ID ADA10355 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein, PRO1186.  
PN US2003059831-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 81  
ID ADA67643 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068795-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 82  
ID ADB30650 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068794-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 83  
ID ADA85946 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082693-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 84  
ID ADA17899 standard; protein; 105 AA.  
DE Human PRO1186 polypeptide.  
PN US2003054987-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 85  
ID ADA97158 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082705-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 86  
ID ADA79462 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082763-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 87  
ID ADA79462 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082763-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;

DE Novel human secreted and transmembrane protein PROI186.  
PN US2003044945-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 97  
ID ADA94587 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PROI186.  
PN US2003059832-A1.  
PD 27-MAR-2003.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 98  
ID ADA74596 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068798-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 99  
ID ADB24829 standard; protein; 105 AA.  
DE Human PRO polypeptide SEQ ID NO 470.  
PN US200307713-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 100  
ID ADA82353 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082701-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 101  
ID ADA75316 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073216-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 102  
ID ADA85394 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PROI186.  
PN US2003082695-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 103  
ID ADA84842 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PROI186.  
PN US2003082708-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 104  
ID ADB30098 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073214-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 105  
ID ADA80626 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082761-A1.

---

DE Novel human secreted and transmembrane protein PROI186.  
PN US2003044945-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 97  
ID ADA94587 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PROI186.  
PN US2003059832-A1.  
PD 27-MAR-2003.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 98  
ID ADA74596 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068798-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 99  
ID ADB24829 standard; protein; 105 AA.  
DE Human PRO polypeptide SEQ ID NO 470.  
PN US200307713-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 100  
ID ADA82353 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082701-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 101  
ID ADA75316 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073216-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 102  
ID ADA85394 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PROI186.  
PN US2003082695-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 103  
ID ADA84842 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PROI186.  
PN US2003082708-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 104  
ID ADB30098 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073214-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 105  
ID ADA80626 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082761-A1.

PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 106  
ID ADA75868 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082703-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 107  
ID ADA38812 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003059780-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 108  
ID ADA47093 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003073210-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 109  
ID ADB25389 standard; protein; 105 AA.  
DE Human PRO polypeptide SEQ ID NO 470.  
PN US2003077715-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 110  
ID ADA93565 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077721-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 111  
ID ADB26915 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003092147-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 112  
ID ADB31202 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003096386-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 113  
ID ABJ72438 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003027988-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 114  
ID ADA92933 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003060407-A1.  
PD 27-MAR-2003.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 115  
ID ADA61130 standard; protein; 105 AA.  
DE Homo sapiens.  
PN US2003049817-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 116  
ID ADB24277 standard; protein; 105 AA.  
DE Human PRO polypeptide SEQ ID NO 470.  
PN US2003077714-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 117  
ID ADA96606 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082690-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 118  
ID ADA81178 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082702-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 119  
ID ADA96054 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082759-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 120  
ID ADB26363 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082760-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 121  
ID ADB21848 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082765-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 122  
ID AB034333 standard; protein; 105 AA.  
DE Human secreted/transmembrane polypeptide PRO 1186.  
PN US2003044934-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 123  
ID ADA77627 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068797-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;

PN US2003073213-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 134  
ID ADA97710 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082686-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 135  
ID ADB27467 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003022239-A1.  
PD 30-JAN-2003.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 136  
ID ADB22400 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087344-A1.  
PD 08-MAY-2003.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 137  
ID ABO22590 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003017982-A1.  
PD 23-JAN-2003.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 138  
ID ADA06660 standard; protein; 105 AA.  
DE Human secreted/transmembrane PRO polypeptide #115.  
PN US2003049638-A1.  
PD 13-MAR-2003.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 139  
ID AB372140 standard; protein; 105 AA.  
DE Human membrane bound receptor/protein PRO1186 amino acid sequence.  
PN US2003065147-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 140  
ID ADA39353 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003059782-A1.  
PD 27-MAR-2003.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 141  
ID ADA67091 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003068793-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 142  
ID ADB22952 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077711-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 143  
ID ADB22952 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077711-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 143

ID ADB23725 standard; protein; 105 AA.  
DE Human PRO polypeptide SEQ ID NO 470.  
PN US2003077712-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 144  
ID ADA92447 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082712-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 145  
ID ADB15510 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003087352-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 146  
ID ADB83656 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003073814-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 147  
ID ADB80762 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003088068-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 148  
ID ADB73303 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096968-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 149  
ID ADB38762 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082766-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 150  
ID ADB96379 standard; protein; 105 AA.  
DE Human PRO polypeptide #115.  
PN US2003054403-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 151  
ID ADB78385 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003092889-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 152  
ID ADB38210 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.

PN US2003087347-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 153  
ID ADB66682 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082689-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 154  
ID ADB85033 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003073817-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 155  
ID ADB89762 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082698-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 156  
ID ADB90494 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003082762-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 157  
ID ADB39595 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082764-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 158  
ID ADB78139 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003092886-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 159  
ID ADB87205 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003088067-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 160  
ID ADB84787 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003092890-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match  
Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
RESULT 161  
ID ADB47218 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082687-A1.



```

PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 162
ID ADB83902 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003069397-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 163
ID ADB86825 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003082697-A1.
PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 164
ID ADB73057 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003092887-A1.
PD 15-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 165
ID ADB77430 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003082696-A1.
PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 166
ID ADB34587 standard; protein; 105 AA.
DE Human PRO polypeptide SEQ ID NO 470.
PN US2003077717-A1.
PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 167
ID ADB35691 standard; protein; 105 AA.
DE Human PRO polypeptide SEQ ID NO 470.
PN US2003077719-A1.
PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 168
ID ADB34035 standard; protein; 105 AA.
DE Human PRO polypeptide SEQ ID NO 470.
PN US2003077716-A1.
PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 169
ID ADB35139 standard; protein; 105 AA.
DE Human PRO polypeptide SEQ ID NO 470.
PN US2003077718-A1.
PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 170
ID ADB36243 standard; protein; 105 AA.
DE Human PRO polypeptide SEQ ID NO 470.
PN US2003077720-A1.
PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 171
ID ADB46638 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003082692-A1.
PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 172
ID ADC57851 standard; protein; 105 AA.
DE Human PRO polypeptide #115.
PN US2003027754-A1.
PD 06-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 173
ID ADC55215 standard; protein; 105 AA.
DE Human PRO polypeptide #115.
PN US2003045463-A1.
PD 06-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 174
ID ADC12082 standard; protein; 105 AA.
DE Human secreted/transmembrane protein PRO1186.
PN US2003049681-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 175
ID ADC56504 standard; protein; 105 AA.
DE Human PRO polypeptide #115.
PN US2003064375-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 176
ID ADC07559 standard; protein; 105 AA.
DE Human secreted/transmembrane protein PRO1186.
PN US2003068647-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 177
ID ADC11549 standard; protein; 105 AA.
DE Human secreted/transmembrane protein PRO1186.
PN US2003069403-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 178
ID ADC36895 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003088065-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 179
ID ADC21885 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003096969-A1.
PD 22-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 180
ID ADC50511 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003092106-A1.

```

PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 181  
ID ADC72058 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003092107-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 182  
ID ADC60037 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003092105-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 183  
ID ADC49916 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003088064-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 184  
ID ADC49115 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003088070-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 185  
ID ADC49632 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003088071-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 186  
ID ADC47493 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003088072-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 187  
ID ADC53044 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein Seq ID470.  
PN US2003087365-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 188  
ID ADC57398 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein Seq ID470.  
PN US2003087366-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 189  
ID ADC60589 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087367-A1.  
PD 08-MAY-2003.

PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 190  
ID ADC51064 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087361-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 191  
ID ADC65591 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003087362-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 192  
ID ADC54689 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein Seq ID470.  
PN US2003087363-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 193  
ID ADC53650 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein Seq ID470.  
PN US2003087364-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 194  
ID ADC59173 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein Seq ID470.  
PN US2003087359-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 195  
ID ADC56051 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein Seq ID470.  
PN US2003087360-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 196  
ID ADC58621 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein Seq ID470.  
PN US2003087346-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 197  
ID ADC14671 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003082546-A1.  
PD 01-MAY-2003.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 198  
ID ADC47238 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003105288-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;

Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
 RESULT 199  
 ID ADD08203 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003068623-A1.  
 PD 10-APR-2003.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 200  
 ID ADD03295 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003092104-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 201  
 ID ADC90287 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003087348-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 202  
 ID ADC82028 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003083461-A1.  
 PD 01-MAY-2003.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 203  
 ID ADC69706 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194770-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 204  
 ID ADC48595 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194773-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 205  
 ID ADD10124 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194776-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 206  
 ID ADD07670 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2002193299-A1.  
 PD 19-DEC-2002.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 207  
 ID ADC78113 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003096972-A1.  
 PD 22-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 208  
 ID ADD04699 standard; protein; 105 AA.

DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003087354-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 209  
 ID ADC82561 standard; protein; 105 AA.  
 DE Human PRO polypeptide #115.  
 PN US2003059833-A1.  
 PD 27-MAR-2003.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 210  
 ID ADD06348 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003073816-A1.  
 PD 17-APR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 211  
 ID ADC89655 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003092103-A1.  
 PD 15-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 212  
 ID ADD11162 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194774-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 213  
 ID ADD10461 standard; protein; 105 AA.  
 DE Human secreted/transmembrane PRO polypeptide #86.  
 PN US2003105011-A1.  
 PD 05-JUN-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 214  
 ID ADC48043 standard; protein; 105 AA.  
 DE Human PRO polypeptide #235.  
 PN US2003194771-A1.  
 PD 16-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 215  
 ID ADD08741 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003073090-A1.  
 PD 17-APR-2003.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 216  
 ID ADC77867 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003088066-A1.  
 PD 08-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match  
 Best Local Similarity 100.0%; Score 498; DB 7; Length 105;  
 RESULT 217  
 ID ADC80103 standard; protein; 105 AA.  
 DE Novel human secreted and transmembrane protein PRO1186.  
 PN US2003087358-A1.  
 PD 08-MAY-2003.

PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 218  
ID ADD06990 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2002193300-A1.  
PD 19-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 219  
ID ADD11421 standard; protein; 105 AA.  
DE Human secreted/transmembrane PRO polypeptide #86.  
PN US2003105013-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 220  
ID ADD09572 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194775-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 221  
ID ADC83237 standard; protein; 105 AA.  
DE Human PRO polypeptide #115.  
PN US2003059783-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 222  
ID ADD50830 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003105291-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 223  
ID ADD41285 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003203438-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 224  
ID ADD52424 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194769-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 225  
ID ADD51076 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003105290-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 226  
ID ADD53164 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194792-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 227  
ID ADD53716 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003203437-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 228  
ID ADD55344 standard; protein; 105 AA.  
DE Human PRO polypeptide #115.  
PN US2003077593-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 229  
ID ADD69106 standard; protein; 105 AA.  
DE Human ZAQ-related protein - SEQ ID 84.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 230  
ID ADD37214 standard; protein; 105 AA.  
DE Human secreted/transmembrane PRO polypeptide #86.  
PN US2003105012-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 231  
ID ADD56302 standard; protein; 105 AA.  
DE Human PRO polypeptide #115.  
PN US2003077594-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 232  
ID ADD51872 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194779-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 233  
ID ADD02671 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003203431-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 234  
ID ADD50557 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003096971-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 235  
ID ADD02105 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003203430-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 236  
ID ADD54287 standard; protein; 105 AA.

DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003203432-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 237  
ID ADD54740 standard; protein; 105 AA.  
DE Human PRO polypeptide #115.  
PN US2002132253-A1.  
PD 19-SEP-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 238  
ID ADD50311 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003096970-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 239  
ID ADD51322 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003105289-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 240  
ID ADD92604 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199030-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 241  
ID ADD91500 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199055-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 242  
ID ADE04114 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199057-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 243  
ID ADE26894 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087304-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 244  
ID ADE32411 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003194765-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 245  
ID ADE22343 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199056-A1.

PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 246  
ID ADD79567 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003203428-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 247  
ID ADE42103 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194772-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 248  
ID ADE17920 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199023-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 249  
ID ADD92052 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199053-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 250  
ID ADE33515 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003194767-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 251  
ID ADE34067 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003194791-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 252  
ID ADE80119 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207417-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 253  
ID ADD93156 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194768-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 254  
ID ADE19576 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199025-A1.  
PD 23-OCT-2003.

PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 255  
ID ADE19024 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199026-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 256  
ID ADE43220 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199033-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 257  
ID ADD96009 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199059-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 258  
ID ADE22895 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199064-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 259  
ID ADD79013 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003203429-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 260  
ID ADE26361 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087305-A1.  
PD 08-MAY-2003.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 261  
ID ADE32963 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003194766-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 262  
ID ADE42655 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199032-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 263  
ID ADD80671 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207418-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;

Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 264  
ID ADD89699 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199028-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 265  
ID ADE40983 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199031-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 266  
ID ADE04782 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003199034-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 267  
ID ADE92911 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194777-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 268  
ID ADE67298 standard; protein; 105 AA.  
DE Human PRO1186 amino acid sequence SEQ ID NO:371.  
PN US2002198148-A1.  
PD 26-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 269  
ID ADE28070 standard; protein; 105 AA.  
DE Human Zven 2.  
PN US2003148317-A1.  
PD 07-AUG-2003.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 270  
ID ADG21620 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207355-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 271  
ID ADG23261 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207384-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 272  
ID ADE97596 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207370-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;

RESULT 273  
ID ABG75089 standard; protein; 105 AA.  
DE Prokineticin 1 (PROK1).  
PN WO2003083073-A2.  
PD 09-OCT-2003.  
PA (FARB ) BAYER PHARM CORP.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 274  
ID ABG75086 standard; protein; 105 AA.  
DE Human prokineticin 1 (PROK1).  
PN WO2003083073-A2.  
PD 09-OCT-2003.  
PA (FARB ) BAYER PHARM CORP.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 275  
ID ADG80660 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207373-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 276  
ID ADG80108 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207372-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 277  
ID ADH55400 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207381-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 278  
ID ADH55952 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207379-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 279  
ID ADI35552 standard; protein; 105 AA.  
DE Human PRO polypeptide #115.  
PN US2003050457-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 280  
ID ADI64171 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207385-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 281  
ID ADI65120 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207386-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 282  
ID ADI63619 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087357-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 283  
ID ADH82033 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207388-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 284  
ID ADI00045 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003049682-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 285  
ID ADH81481 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207377-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 286  
ID ADJ71810 standard; protein; 105 AA.  
DE Human prokineticin 1 protein.  
PN WO2003040326-A2.  
PD 15-MAY-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 287  
ID ADM82650 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087355-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 288  
ID ADN16049 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087353-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 289  
ID ADN16678 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087385-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 290  
ID ADN15497 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087356-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 291  
ID ADN14945 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003087357-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;



```
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 292
ID ADC48869 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003092888-A1.
PD 15-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 293
ID ADC81207 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003092115-A1.
PD 15-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 294
ID ADE21040 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100735-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 295
ID ADE05884 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100728-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 296
ID ADD76655 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003100087-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 297
ID ADD75113 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100712-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 298
ID ADD75859 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100717-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 299
ID ADD85091 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100722-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 300
ID ADD86917 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100738-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 301
ID ADE320794 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100734-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 302
ID ADE39091 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003096362-A1.
PD 22-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 303
ID ADD88019 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003092113-A1.
PD 15-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 304
ID ADD86423 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003203440-A1.
PD 30-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 305
ID ADE05638 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100727-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 306
ID ADD73623 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100711-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 307
ID ADE75871 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003211571-A1.
PD 13-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 308
ID ADD78463 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100737-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 309
ID ADE41422 standard; protein; 105 AA.
DE Human secreted/transmembrane PRO polypeptide #86.
PN US2003100497-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
```

```
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 310
ID ADE23447 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003092108-A1.
PD 15-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 311
ID ADE21286 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100736-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 312
ID ADD77401 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100732-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 313
ID ADE20548 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100733-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 314
ID ADD75613 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100064-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 315
ID ADD74129 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100708-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 316
ID ADD74375 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100709-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 317
ID ADD76105 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100718-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 318
ID ADH85597 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100721-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 319
ID ADE23999 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003092110-A1.
PD 15-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 320
ID ADE24642 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003092111-A1.
PD 15-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 321
ID ADD87467 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003203439-A1.
PD 30-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 322
ID ADE05146 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100726-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 323
ID ADD75359 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
PN US2003100714-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 324
ID ADD76903 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100715-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 325
ID ADD86671 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100719-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 326
ID ADE89333 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
PN US2003199062-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 327
ID ADD78139 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
PN US2003100731-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 498; DB 8; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-46;
```

```
RESULT 328
ID ADE18472 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
FN US2003194794-A1.
PD 16-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 329
ID ADE88781 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
FN US2003199054-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 330
ID ADD77647 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
FN US2003100729-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 331
ID ADD77893 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
FN US2003100730-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 332
ID ADD85351 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
FN US2003100725-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 333
ID ADD73883 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
FN US2003100710-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 334
ID ADD74621 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
FN US2003100713-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 335
ID ADD77149 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
FN US2003100716-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 336
ID ADD85843 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
FN US2003100720-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 337
ID ADE90660 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
FN US2003199051-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 338
ID ADD74867 standard; protein; 105 AA.
DE Human PRO polypeptide #83.
FN US2003100724-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 339
ID ADE94801 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
FN US2003199027-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 340
ID ADE91212 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
FN US2003199061-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 341
ID ADF35497 standard; protein; 105 AA.
DE Human PRO1186 polypeptide.
FN US2003194760-A1.
PD 16-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 342
ID ADE95353 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
FN US2003199052-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 343
ID ADE93463 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
FN US2003199060-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 344
ID ADF35044 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
FN US2003199029-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 345
ID ADE92359 standard; protein; 105 AA.
DE Novel human secreted and transmembrane protein PRO1186.
FN US2003199051-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
 Query Match 100.0%; Score 498; DB 8; Length 105;
 Best Local Similarity 100.0%; Pred. No. 1.2e-46;
RESULT 346
ID ADE90660 standard; protein; 105 AA.
DE Human PRO polypeptide #235.
```

PN US2003199063-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 347  
ID ADE91807 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003199058-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 348  
ID ADG11747 standard; protein; 105 AA.  
DE Human PRO1186 polypeptide.  
PN US2003228655-A1.  
PD 11-DEC-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 349  
ID ADG05679 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096959-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 350  
ID ADG27233 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003096962-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 351  
ID ADG02386 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207352-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 352  
ID ADG22172 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207360-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 353  
ID ADG20242 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207376-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 354  
ID ADF98148 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207422-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 355  
ID ADG24365 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207426-A1.

PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 356  
ID ADF98719 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003208055-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 357  
ID ADG03550 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207351-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 358  
ID ADF99271 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207353-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 359  
ID ADG16856 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207359-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 360  
ID ADG05315 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207375-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 361  
ID ADG19582 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207425-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 362  
ID ADG11296 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096967-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 363  
ID ADG13419 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207357-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 364  
ID ADG08476 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207424-A1.  
PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 365  
ID ADG15646 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
FN US2003219885-A1.  
PD 27-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 366  
ID ADG12075 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003096963-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 367  
ID ADF97044 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
FN US2003207371-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 368  
ID ADG06229 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
FN US2003207374-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 369  
ID ADG23813 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003207389-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 370  
ID ADG04102 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
FN US2003207423-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 371  
ID ADG25003 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003207427-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 372  
ID ADF94632 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003096964-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 373  
ID ADG07300 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003207350-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 374  
ID ADG07852 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003207356-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 375  
ID ADG06728 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
FN US2003096966-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 376  
ID ADG5347 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003194778-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 377  
ID ADG61011 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003207390-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 378  
ID ADG62115 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003207428-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 379  
ID ADG82316 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
FN US2003207358-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 380  
ID ADG57555 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003207362-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 381  
ID ADG57003 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003207364-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 382  
ID ADG5899 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003207365-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 383  
ID ADG07300 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
FN US2003207350-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.

Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 383  
ID ADG58659 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207368-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 384  
ID ADG71025 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207420-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 385  
ID ADH39072 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096965-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 386  
ID ADG58107 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207363-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 387  
ID ADG53691 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207415-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 388  
ID ADG71577 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207421-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 389  
ID ADG81764 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207805-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 390  
ID ADH19617 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003228656-A1.  
PD 11-DEC-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 391  
ID ADH30726 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077723-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 392  
ID ADH28650 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.

ID ADH12093 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207419-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 393  
ID ADG52515 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207414-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 394  
ID ADG54243 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207416-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 395  
ID ADG81212 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003194793-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 396  
ID ADG56451 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207366-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 397  
ID ADH12717 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207378-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 398  
ID ADH21110 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003224358-A1.  
PD 04-DEC-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 399  
ID ADG61563 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207429-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 400  
ID ADH20150 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186.  
PN US2003219856-A1.  
PD 27-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 401  
ID ADH28650 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.

PD US2003022331-A1.  
PD 30-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 402  
ID ADG54795 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207367-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 403  
ID ADG59835 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207369-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 404  
ID ADH43605 standard; protein; 105 AA.  
DE Human PRO polypeptide #86.  
PN US2003224984-A1.  
PD 04-DEC-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 405  
ID ADG34162 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004006206-A1.  
PD 08-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 406  
ID ADI81259 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003207361-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 407  
ID ADI33632 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2003096960-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 408  
ID ADH69726 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2004019183-A1.  
PD 29-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 409  
ID ADG10002 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004009548-A1.  
PD 15-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 410  
ID ADI15473 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207382-A1.

PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 411  
ID ADG09350 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004009547-A1.  
PD 15-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 412  
ID ADI14805 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207383-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 413  
ID ADI29887 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003096961-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 414  
ID ADI18400 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207349-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 415  
ID ADM27284 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004044179-A1.  
PD 04-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 416  
ID ADJ63681 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004039164-A1.  
PD 26-FEB-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 417  
ID ADJ77576 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004038336-A1.  
PD 26-FEB-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 418  
ID ADK82950 standard; protein; 105 AA.  
DE Human PRO polypeptide #86.  
PN US2004043927-A1.  
PD 04-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 419  
ID ADK66642 standard; protein; 105 AA.  
DE Human PRO polypeptide #83.  
PN US2004044180-A1.  
PD 04-MAR-2004.



PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 420  
ID ADJ65698 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004038335-A1.  
PD 26-FEB-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 421  
ID ADM27834 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004048333-A1.  
PD 11-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 422  
ID ADL68991 standard; protein; 105 AA.  
DE Human extracellular signaling molecule (EXCS) -11 protein.  
PN US2004048244-A1.  
PD 11-MAR-2004.  
PA (TANG/) TANG Y T.  
PA (YUEH/) YUE H.  
PA (LALP/) LAL P.  
PA (BURE/) BURFORD N.  
PA (BAND/) BANDMAN O.  
PA (BAUG/) BAUGHN M R.  
PA (AZIM/) AZIMZAI Y.  
PA (LJUDA/) LU D A M.  
PA (ARVI/) ARVIZU C.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 423  
ID ADN08155 standard; protein; 105 AA.  
DE Human endocrine gland vascular endothelial growth factor.  
PN DE10229379-A1.  
PD 29-JAN-2004.  
PA (SCHD ) SCHERING AG.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 424  
ID ADM42558 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004058424-A1.  
PD 25-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 425  
ID ADN41842 standard; protein; 105 AA.  
DE Amino acid sequence of a human zven2 polypeptide.  
PN WO2004032850-A2.  
PD 22-APR-2004.  
PA (ZIMO ) ZYMOGENETICS INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 426  
ID ADM28420 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004077064-A1.  
PD 22-APR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 427  
ID ADI95902 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2003077659-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 428  
ID ADI96454 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2003207354-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 429  
ID ADS8960 standard; protein; 105 AA.  
DE Human zven2 protein.  
PN WO2004031367-A2.  
PD 15-APR-2004.  
PA (ZIMO ) ZYMOGENETICS INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 430  
ID ADS00464 standard; protein; 105 AA.  
DE Human EG-VEGF, SEQ ID 8.  
PN WO2004081229-A2.  
PD 23-SEP-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 431  
ID ADS86475 standard; protein; 105 AA.  
DE Human ZAQ ligand protein related to eating disorders & obesity Seq 7.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 432  
ID ADS75493 standard; protein; 105 AA.  
DE Human prokineticin 2 receptor protein.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 433  
ID ADS32406 standard; protein; 105 AA.  
DE Novel human secreted and transmembrane protein PRO1186.  
PN US2004203125-A1.  
PD 14-OCT-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 434  
ID ADT03390 standard; protein; 105 AA.  
DE Human PRO polypeptide #235.  
PN US2004214269-A1.  
PD 28-OCT-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 8; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 435  
ID ADY86164 standard; protein; 105 AA.  
DE Human EG-VEGF, SEQ ID NO:2.  
PN US2005064522-A1.  
PD 24-MAR-2005.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 436  
ID ADZ03441 standard; protein; 105 AA.  
DE Human secreted/transmembrane PRO1186 protein.  
PN US2005074837-A1.  
PD 07-APR-2005.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 9; Length 105;

Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 437  
ID ADZ88922 standard; protein; 105 AA.  
DE Human prokineticin I isoform.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 100.0%; Score 498; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 438  
ID AEA38601 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein, #183.  
PN US2005112725-A1.  
PD 26-MAY-2005.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 439  
ID AEB14187 standard; protein; 105 AA.  
DE Cancer cell diagnosis method-related human protein - SEQ ID 470.  
PN US2005153396-A1.  
PD 14-JUL-2005.  
PA (BAKE/) BAKER K P.  
PA (BERE/) BERESINI M.  
PA (DEFO/) DEFORGE L.  
PA (DESN/) DESNOYERS L.  
PA (FILV/) FILVAROFF E.  
PA (GAOW/) GAO W.  
PA (GERR/) GERRITSEN M E.  
PA (GODD/) GODDARD A.  
PA (GODO/) GODOWSKI P J.  
PA (GURN/) GURNEY A L.  
PA (SHER/) SHERWOOD S.  
PA (SMIT/) SMITH V.  
PA (STEW/) STEWART T A.  
PA (TUMA/) TUMAS D.  
PA (WATA/) WATANABE C K.  
PA (WOOD/) WOOD W I.  
PA (ZHAN/) ZHANG Z.  
Query Match 100.0%; Score 498; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 440  
ID AEB4588 standard; protein; 105 AA.  
DE Human Zven2 protein, SEQ ID NO: 5.  
PN US2005153322-A1.  
PD 14-JUL-2005.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 100.0%; Score 498; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 441  
ID AEC06124 standard; protein; 105 AA.  
DE Human EG-VEGF protein.  
PN WO2005076972-A2.  
PD 23-AUG-2005.  
PA (OHIS ) UNIV OHIO STATE RES FOUND.  
Query Match 100.0%; Score 498; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 442  
ID AED08088 standard; protein; 105 AA.  
DE Human Zven2 protein.  
PN US2005214800-A1.  
PD 29-SEP-2005.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 100.0%; Score 498; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 443  
ID AED0616 standard; protein; 105 AA.  
DE Rhesus monkey prokineticin 1 (PK1) SEQ ID NO 28.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 100.0%; Score 498; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 444  
ID AED6385 standard; protein; 105 AA.  
DE Human PRO amino acid sequence, seq id 470.  
PN US2005245730-A1.  
PD 03-NOV-2005.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 445  
ID AEG58332 standard; protein; 105 AA.  
DE Human PRO1186 polypeptide SEQ ID NO: 470.  
PN US2006073568-A1.  
PD 06-APR-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 446  
ID AHH49352 standard; protein; 105 AA.  
DE Human secreted polypeptide PRO1136, SEQ ID NO:166.  
PN EPI659177-A2.  
PD 24-MAY-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 447  
ID AEI43977 standard; protein; 105 AA.  
DE Human cancer-related PRO protein amino acid sequence - SEQ ID 470.  
PN US2006040351-A1.  
PD 23-FEB-2006.  
PA (BAKE/) BAKER K P.  
PA (BERE/) BERESINI M.  
PA (DEFO/) DEFORGE L.  
PA (DESN/) DESNOYERS L.  
PA (FILV/) FILVAROFF E.  
PA (GAOW/) GAO W.  
PA (GERR/) GERRITSEN M E.  
PA (GODD/) GODDARD A.  
PA (GODO/) GODOWSKI P J.  
PA (GURN/) GURNEY A L.  
PA (SHER/) SHERWOOD S.  
PA (SMIT/) SMITH V.  
PA (STEW/) STEWART T A.  
PA (TUMA/) TUMAS D.  
PA (WATA/) WATANABE C K.  
PA (WOOD/) WOOD W I.  
PA (ZHAN/) ZHANG Z.  
Query Match 100.0%; Score 498; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 448  
ID AEI24060 standard; protein; 105 AA.  
DE Human secreted/transmembrane protein PRO1186, SEQ ID NO:470.  
PN EPI672070-A2.  
PD 21-JUN-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 449  
ID AEX48387 standard; protein; 105 AA.  
DE Human PRO1186 amino acid sequence.  
PN EPI686174-A1.  
PD 02-AUG-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 450  
ID AEG62980 standard; protein; 105 AA.  
DE Human PRO1186 polypeptide, SEQ ID NO: 166.  
PN EPI700867-A2.  
PD 13-SEP-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 451

Fri Nov 30 09:24:41 2007

ID ABL17020 standard; protein; 105 AA.  
DE Human secreted polypeptide PRO1136, SEQ ID NO:166.  
PN EPI702928-A2.  
PD 20-SEP-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 100.0%; Score 498; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-46;  
RESULT 452  
ID ABL00448 standard; protein; 113 AA.  
DE Recombinant N-terminal FLAG-tagged human prokineticin-1.  
PN WO2006104713-A1.  
PD 05-OCT-2006.  
PA (JANC ) JANSSEN PHARM NV.  
PA (MISK/) MISKOWSKI T A.  
Query Match 100.0%; Score 498; DB 10; Length 113;  
Best Local Similarity 100.0%; Pred. No. 1.3e-46;  
RESULT 453  
ID ABL60511 standard; protein; 114 AA.  
DE Human prokineticin 1(N-terminally FLAG tagged).  
PN WO2006102112-A2.  
PD 28-SEP-2006.  
PA (JANC ) JANSSEN PHARM NV.  
Query Match 100.0%; Score 498; DB 10; Length 114;  
Best Local Similarity 100.0%; Pred. No. 1.3e-46;  
RESULT 454  
ID ABJ05340 standard; protein; 125 AA.  
DE Target fusion peptide production method-related protein #3.  
PN WO200236762-A1.  
PD 10-MAY-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 100.0%; Score 498; DB 5; Length 125;  
Best Local Similarity 100.0%; Pred. No. 1.4e-46;  
RESULT 455  
ID ABJ05339 standard; protein; 130 AA.  
DE Human PTH(1-34)-ZAQ ligand fusion protein.  
PN WO200236762-A1.  
PD 10-MAY-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 100.0%; Score 498; DB 5; Length 130;  
Best Local Similarity 100.0%; Pred. No. 1.5e-46;  
RESULT 456  
ID AAB70145 standard; protein; 86 AA.  
DE Human G protein-coupled receptor protein-related sequence #1.  
PN WO200116309-A1.  
PD 08-MAR-2001.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 4; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.2e-46;  
RESULT 457  
ID AAO15528 standard; protein; 86 AA.  
DE Human physiologically-active ZAQ ligand-related protein 3.  
PN WO200257443-A1.  
PD 25-JUL-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 5; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.2e-46;  
RESULT 458  
ID ABR06305 standard; protein; 86 AA.  
DE Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:20.  
PN WO200206483-A1.  
PD 24-JAN-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 5; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.2e-46;  
RESULT 459  
ID ADD69103 standard; protein; 86 AA.  
DE Human ZAQ-related protein - SEQ ID 81.  
PN WO200306860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 7; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.2e-46;  
RESULT 460

ID ADR24004 standard; protein; 86 AA.  
DE Human ZAQ-1 ligand protein #2.  
PN WO2004065419-A1.  
PD 05-AUG-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 8; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.2e-46;  
RESULT 461  
ID ADS86469 standard; protein; 86 AA.  
DE Human ZAQ ligand protein related to eating disorders & obesity Seq 1.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 8; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.2e-46;  
RESULT 462  
ID ADZ58576 standard; protein; 86 AA.  
DE Human ZAQ-1 amino acid sequence - SEQ ID 3.  
PN WO2005037870-A1.  
PD 28-APR-2005.  
PA (TAKE ) TAKEDA PHARM CO LTD.  
Query Match 99.8%; Score 497; DB 9; Length 86;  
Best Local Similarity 98.8%; Pred. No. 1.2e-46;  
RESULT 463  
ID AAB70147 standard; protein; 105 AA.  
DE Human G protein-coupled receptor protein-related sequence #3.  
PN WO200116309-A1.  
PD 08-MAR-2001.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 4; Length 105;  
Best Local Similarity 98.8%; Pred. No. 1.5e-46;  
RESULT 464  
ID AAM79066 standard; protein; 105 AA.  
DE Human protein SEQ ID NO 1728.  
PN WO200157190-A2.  
PD 09-AUG-2001.  
PA (HYSE-) HYSEQ INC.  
Query Match 99.8%; Score 497; DB 4; Length 105;  
Best Local Similarity 98.8%; Pred. No. 1.5e-46;  
RESULT 465  
ID AAG79596 standard; protein; 105 AA.  
DE GSSP4 sequence.  
PN WO200269689-A2.  
PD 12-SEP-2002.  
PA (GEST ) GENSET.  
Query Match 99.8%; Score 497; DB 5; Length 105;  
Best Local Similarity 98.8%; Pred. No. 1.5e-46;  
RESULT 466  
ID AAO15526 standard; protein; 105 AA.  
DE Human physiologically-active ZAQ ligand-related protein 2.  
PN WO200257443-A1.  
PD 25-JUL-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 5; Length 105;  
Best Local Similarity 98.8%; Pred. No. 1.5e-46;  
RESULT 467  
ID ABR06307 standard; protein; 105 AA.  
DE Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:22.  
PN WO200206483-A1.  
PD 24-JAN-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 5; Length 105;  
Best Local Similarity 98.8%; Pred. No. 1.5e-46;  
RESULT 468  
ID ABP75987 standard; protein; 105 AA.  
DE Human GENSET protein SEQ ID 194.  
PN WO200283898-A1.  
PD 24-OCT-2002.  
PA (GEST ) GENSET.  
Query Match 99.8%; Score 497; DB 6; Length 105;  
Best Local Similarity 98.8%; Pred. No. 1.5e-46;  
RESULT 469  
ID ADD69105 standard; protein; 105 AA.

DE Human ZAQ-related protein - SEQ ID 83.  
PN WO200306860-A1.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 7; Length 105;  
Best Local Similarity 98.8%; Pred. No. 1.5e-46;  
RESULT 470  
ID ADS86473 standard; protein; 105 AA.  
DE Human ZAQ ligand protein related to eating disorders & obesity Seq 5.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 99.8%; Score 497; DB 8; Length 105;  
Best Local Similarity 98.8%; Pred. No. 1.5e-46;  
RESULT 471  
ID AED00619 standard; protein; 105 AA.  
DE Human prokineticin 1 (PK1).  
PN WO2005091925-A2.  
PD 08-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 99.8%; Score 497; DB 9; Length 105;  
Best Local Similarity 98.8%; Pred. No. 1.5e-46;  
RESULT 472  
ID AAB18475 standard; protein; 105 AA.  
DE A human TANGO 266 polypeptide clone.  
PN WO200502022-A1.  
PD 08-SEP-2000.  
PA (MILL-) MILLENNIUM PHARM INC.  
Query Match 99.4%; Score 495; DB 3; Length 105;  
Best Local Similarity 98.8%; Pred. No. 2.5e-46;  
RESULT 473  
ID AAB18473 standard; protein; 105 AA.  
DE A human TANGO 266 polypeptide clone.  
PN WO200502022-A1.  
PD 08-SEP-2000.  
PA (MILL-) MILLENNIUM PHARM INC.  
Query Match 99.4%; Score 495; DB 3; Length 105;  
Best Local Similarity 98.8%; Pred. No. 2.5e-46;  
RESULT 474  
ID AAB18474 standard; protein; 105 AA.  
DE A human TANGO 266 polypeptide clone.  
PN WO200502022-A1.  
PD 08-SEP-2000.  
PA (MILL-) MILLENNIUM PHARM INC.  
Query Match 99.4%; Score 495; DB 3; Length 105;  
Best Local Similarity 98.8%; Pred. No. 2.5e-46;  
RESULT 475  
ID AAE24393 standard; protein; 85 AA.  
DE Human prokineticin 1 mutant protein #2.  
PN WO200236625-A2.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 99.2%; Score 494; DB 5; Length 85;  
Best Local Similarity 100.0%; Pred. No. 2.6e-46;  
RESULT 476  
ID ADS75507 standard; protein; 85 AA.  
DE Prokineticin receptor antagonist de1A-PK1.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 99.2%; Score 494; DB 8; Length 85;  
Best Local Similarity 100.0%; Pred. No. 2.6e-46;  
RESULT 477  
ID ADS75511 standard; protein; 86 AA.  
DE Prokineticin receptor antagonist MV PK1.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 99.2%; Score 494; DB 8; Length 85;  
Best Local Similarity 100.0%; Pred. No. 2.6e-46;  
RESULT 478  
ID ADZ88921 standard; protein; 105 AA.  
DE Rhesus monkey prokineticin 2.

PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 98.8%; Score 492; DB 9; Length 105;  
Best Local Similarity 98.8%; Pred. No. 5.4e-46;  
RESULT 479  
ID ABE76151 standard; protein; 105 AA.  
DE Human GENSET protein SEQ ID 477.  
PN WO200283898-A1.  
PD 24-OCT-2002.  
PA (GEBT ) GENSET.  
Query Match 98.6%; Score 491; DB 6; Length 105;  
Best Local Similarity 97.7%; Pred. No. 6.9e-46;  
RESULT 480  
ID ABP75986 standard; protein; 105 AA.  
DE Human GENSET protein SEQ ID 193.  
PN WO200283898-A1.  
PD 24-OCT-2002.  
PA (GEBT ) GENSET.  
Query Match 98.6%; Score 491; DB 6; Length 105;  
Best Local Similarity 97.7%; Pred. No. 6.9e-46;  
RESULT 481  
ID AAE24394 standard; protein; 86 AA.  
DE Human prokineticin 1 mutant protein #3.  
PN WO200236625-A2.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 96.0%; Score 478; DB 5; Length 86;  
Best Local Similarity 95.3%; Pred. No. 1.5e-44;  
RESULT 482  
ID ADS75508 standard; protein; 86 AA.  
DE Prokineticin receptor related synthetic construct protein, SEQ ID 17.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 96.0%; Score 478; DB 8; Length 86;  
Best Local Similarity 95.3%; Pred. No. 1.5e-44;  
RESULT 483  
ID ADZ88902 standard; protein; 82 AA.  
DE Human prokineticin 1.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 95.6%; Score 476; DB 9; Length 82;  
Best Local Similarity 100.0%; Pred. No. 2.4e-44;  
RESULT 484  
ID AEX60513 standard; protein; 82 AA.  
DE Human prokineticin 1 (C-terminal truncation).  
PN WO2006102112-A2.  
PD 28-SEP-2006.  
PA (JANC ) JANSSEN PHARM NV.  
Query Match 95.6%; Score 476; DB 10; Length 82;  
Best Local Similarity 100.0%; Pred. No. 2.4e-44;  
RESULT 485  
ID AEL00450 standard; protein; 82 AA.  
DE Human prokineticin-1 ligand #2.  
PN WO2006104713-A1.  
PD 05-OCT-2006.  
PA (JANC ) JANSSEN PHARM NV.  
PA (MISK/) MISKOWSKI T A.  
Query Match 95.6%; Score 476; DB 10; Length 82;  
Best Local Similarity 100.0%; Pred. No. 2.4e-44;  
RESULT 486  
ID ABE99154 standard; protein; 86 AA.  
DE Rat ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 95.0%; Score 473; DB 5; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.3e-44;  
RESULT 487  
ID ABB06959 standard; protein; 86 AA.  
DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:49.

PD WO200216607-A1.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 95.0%; Score 473; DB 5; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.3e-44;  
RESULT 488  
ID ADD69160 standard; protein; 86 AA.  
DE Rat ZAQ-related protein - SEQ ID 138.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 95.0%; Score 473; DB 7; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.3e-44;  
RESULT 489  
ID ADN43261 standard; protein; 86 AA.  
DE Amino acid sequence of rat prokineticin 1 (PK1).  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 95.0%; Score 473; DB 8; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.3e-44;  
RESULT 490  
ID ADS86481 standard; protein; 86 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 13.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 95.0%; Score 473; DB 8; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.3e-44;  
RESULT 491  
ID ADS75521 standard; protein; 86 AA.  
DE Modified rat prokineticin 1 receptor, SEQ ID 30.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 95.0%; Score 473; DB 8; Length 86;  
Best Local Similarity 91.9%; Pred. No. 5.3e-44;  
RESULT 492  
ID ABB99151 standard; protein; 105 AA.  
DE Rat ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 95.0%; Score 473; DB 5; Length 105;  
Best Local Similarity 91.9%; Pred. No. 6.5e-44;  
RESULT 493  
ID ABB06956 standard; protein; 105 AA.  
DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:43.  
PN WO200216607-A1.  
PD 28-FEB-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 95.0%; Score 473; DB 5; Length 105;  
Best Local Similarity 91.9%; Pred. No. 6.5e-44;  
RESULT 494  
ID ADD69154 standard; protein; 105 AA.  
DE Rat ZAQ-related protein - SEQ ID 132.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 95.0%; Score 473; DB 7; Length 105;  
Best Local Similarity 91.9%; Pred. No. 6.5e-44;  
RESULT 495  
ID ADS86487 standard; protein; 105 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 19.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 95.0%; Score 473; DB 8; Length 105;  
Best Local Similarity 91.9%; Pred. No. 6.5e-44;  
RESULT 496  
ID ABB99156 standard; protein; 86 AA.  
DE Rat ZAQ protein.  
PN WO200262996-A1.

PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 94.2%; Score 469; DB 5; Length 86;  
Best Local Similarity 90.7%; Pred. No. 1.5e-43;  
RESULT 497  
ID ABB06961 standard; protein; 86 AA.  
DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:53.  
PN WO200216607-A1.  
PD 28-FEB-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 94.2%; Score 469; DB 5; Length 86;  
Best Local Similarity 90.7%; Pred. No. 1.5e-43;  
RESULT 498  
ID ADD69164 standard; protein; 86 AA.  
DE Rat ZAQ-related protein - SEQ ID 142.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 94.2%; Score 469; DB 7; Length 86;  
Best Local Similarity 90.7%; Pred. No. 1.5e-43;  
RESULT 499  
ID ADS86485 standard; protein; 86 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 17.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 94.2%; Score 469; DB 8; Length 86;  
Best Local Similarity 90.7%; Pred. No. 1.5e-43;  
RESULT 500  
ID ABB99153 standard; protein; 105 AA.  
DE Rat ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 94.2%; Score 469; DB 5; Length 105;  
Best Local Similarity 90.7%; Pred. No. 1.8e-43;  
RESULT 501  
ID ABB06958 standard; protein; 105 AA.  
DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:47.  
PN WO200216607-A1.  
PD 28-FEB-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 94.2%; Score 469; DB 5; Length 105;  
Best Local Similarity 90.7%; Pred. No. 1.8e-43;  
RESULT 502  
ID ADD69158 standard; protein; 105 AA.  
DE Rat ZAQ-related protein - SEQ ID 136.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 94.2%; Score 469; DB 7; Length 105;  
Best Local Similarity 90.7%; Pred. No. 1.8e-43;  
RESULT 503  
ID ADS86491 standard; protein; 105 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 23.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 94.2%; Score 469; DB 8; Length 105;  
Best Local Similarity 90.7%; Pred. No. 1.8e-43;  
RESULT 504  
ID ABB99155 standard; protein; 86 AA.  
DE Rat ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 93.8%; Score 467; DB 5; Length 86;  
Best Local Similarity 90.7%; Pred. No. 2.4e-43;  
RESULT 505  
ID ABB06960 standard; protein; 86 AA.  
DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:51.  
PN WO200216607-A1.  
PD 28-FEB-2002.

PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 93.8%; Score 467; DB 5; Length 86;  
Best Local Similarity 90.7%; Pred. No. 2.4e-43;  
RESULT 506  
ID ADD69162 standard; protein; 86 AA.  
DE Rat ZAQ-related protein - SEQ ID 140.  
PN WO200306860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 93.8%; Score 467; DB 7; Length 86;  
Best Local Similarity 90.7%; Pred. No. 2.4e-43;  
RESULT 507  
ID ADS86483 standard; protein; 86 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 15.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 93.8%; Score 467; DB 8; Length 86;  
Best Local Similarity 90.7%; Pred. No. 2.4e-43;  
RESULT 508  
ID ABB99152 standard; protein; 105 AA.  
DE Rat ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 93.8%; Score 467; DB 5; Length 105;  
Best Local Similarity 90.7%; Pred. No. 3e-43;  
RESULT 509  
ID ABB6957 standard; protein; 105 AA.  
DE Rat G protein-coupled receptor ZAQ ligand protein SEQ ID NO:45.  
PN WO200216607-A1.  
PD 28-FEB-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 93.8%; Score 467; DB 5; Length 105;  
Best Local Similarity 90.7%; Pred. No. 3e-43;  
RESULT 510  
ID ADD69156 standard; protein; 105 AA.  
DE Rat ZAQ-related protein - SEQ ID 134.  
PN WO200306860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 93.8%; Score 467; DB 7; Length 105;  
Best Local Similarity 90.7%; Pred. No. 3e-43;  
RESULT 511  
ID ADS86489 standard; protein; 105 AA.  
DE Rat ZAQ ligand protein related to eating disorders & obesity Seq 21.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 93.8%; Score 467; DB 8; Length 105;  
Best Local Similarity 90.7%; Pred. No. 3e-43;  
RESULT 512  
ID ABB99149 standard; protein; 86 AA.  
DE Mouse ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.4%; Score 455; DB 5; Length 86;  
Best Local Similarity 88.4%; Pred. No. 5e-42;  
RESULT 513  
ID ADD69131 standard; protein; 86 AA.  
DE Murine ZAQ-related protein - SEQ ID 109.  
PN WO200306860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.4%; Score 455; DB 5; Length 86;  
Best Local Similarity 88.4%; Pred. No. 5e-42;  
RESULT 514  
ID ADO05361 standard; protein; 86 AA.  
DE Mouse prokineticin 1 (PK1), SEQ ID NO:10.  
PN WO200308904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.

Query Match 91.4%; Score 455; DB 7; Length 86;  
Best Local Similarity 88.4%; Pred. No. 5e-42;  
RESULT 515  
ID ADN43259 standard; protein; 86 AA.  
DE Amino acid sequence of murine prokineticin 1 (PK1).  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 91.4%; Score 455; DB 8; Length 86;  
Best Local Similarity 88.4%; Pred. No. 5e-42;  
RESULT 516  
ID ADS86477 standard; protein; 86 AA.  
DE Murine ZAQ ligand protein related to eating disorders & obesity Seq 9.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.4%; Score 455; DB 8; Length 86;  
Best Local Similarity 88.4%; Pred. No. 5e-42;  
RESULT 517  
ID ADS75519 standard; protein; 86 AA.  
DE Modified mouse prokineticin 1 receptor, SEQ ID 28.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 91.4%; Score 455; DB 8; Length 86;  
Best Local Similarity 88.4%; Pred. No. 5e-42;  
RESULT 518  
ID ADM00760 standard; protein; 86 AA.  
DE Amino acid sequence of murine prokineticin 1 (PK1).  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 91.4%; Score 455; DB 9; Length 86;  
Best Local Similarity 88.4%; Pred. No. 5e-42;  
RESULT 519  
ID ADZ88903 standard; protein; 86 AA.  
DE Mouse prokineticin 1.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 91.4%; Score 455; DB 9; Length 86;  
Best Local Similarity 88.4%; Pred. No. 5e-42;  
RESULT 520  
ID AED00600 standard; protein; 86 AA.  
DE Mouse prokineticin 1 (PK1) SEQ ID NO 12.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 91.4%; Score 455; DB 9; Length 86;  
Best Local Similarity 88.4%; Pred. No. 5e-42;  
RESULT 521  
ID AEJ43368 standard; protein; 86 AA.  
DE Mouse prokineticin 1 (PK1) protein, SEQ ID NO: 10.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 91.4%; Score 455; DB 10; Length 86;  
Best Local Similarity 88.4%; Pred. No. 5e-42;  
RESULT 522  
ID ABB99148 standard; protein; 105 AA.  
DE Mouse ZAQ protein.  
PN WO200262996-A1.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.4%; Score 455; DB 5; Length 105;  
Best Local Similarity 88.4%; Pred. No. 6.2e-42;  
RESULT 523  
ID ADD69129 standard; protein; 105 AA.  
DE Murine ZAQ-related protein - SEQ ID 107.  
PN WO200306860-A1.  
PD 14-AUG-2003.

PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 82.9%; Score 413; DB 9; Length 86;  
Best Local Similarity 76.7%; Pred. No. 2e-37;  
RESULT 533  
ID AEJ43379 standard; protein; 86 AA.  
DE Human PK1 exons 1 and 2 - PK2 exon 3 fusion protein.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU//) ZHOU Q.  
PA (BULL//) BULLOCK C M.  
PA (SIEG//) SIEGEL J.  
Query Match 82.9%; Score 413; DB 10; Length 86;  
Best Local Similarity 76.7%; Pred. No. 2e-37;  
RESULT 534  
ID AAE24390 standard; protein; 81 AA.  
DE Human prokineticin chimera 12 protein.  
PN WO200236625-A2.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 75.5%; Score 376; DB 5; Length 81;  
Best Local Similarity 84.4%; Pred. No. 2.2e-33;  
RESULT 535  
ID ADO05371 standard; protein; 81 AA.  
DE PK1/PK2 chimeric protein, SEQ ID NO:20.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 75.5%; Score 376; DB 7; Length 81;  
Best Local Similarity 84.4%; Pred. No. 2.2e-33;  
RESULT 536  
ID ADN43266 standard; protein; 81 AA.  
DE Amino acid sequence of human prokineticin 1 (PK1)/PK2 chimera.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 75.5%; Score 376; DB 8; Length 81;  
Best Local Similarity 84.4%; Pred. No. 2.2e-33;  
RESULT 537  
ID ADS75504 standard; protein; 81 AA.  
DE Modified human prokineticin chimeric receptor, PK1-PK2.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 75.5%; Score 376; DB 8; Length 81;  
Best Local Similarity 84.4%; Pred. No. 2.2e-33;  
RESULT 538  
ID ADW00764 standard; protein; 81 AA.  
DE Amino acid sequence of a PK1/PK2 chimera.  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 75.5%; Score 376; DB 9; Length 81;  
Best Local Similarity 84.4%; Pred. No. 2.2e-33;  
RESULT 539  
ID AD288907 standard; protein; 81 AA.  
DE Human prokineticin 1/prokineticin 2 chimera.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 75.5%; Score 376; DB 9; Length 81;  
Best Local Similarity 84.4%; Pred. No. 2.2e-33;  
RESULT 540  
ID AED00604 standard; protein; 81 AA.  
DE Human PK1-PK2 chimera SEQ ID NO 16.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 75.5%; Score 376; DB 9; Length 81;  
Best Local Similarity 84.4%; Pred. No. 2.2e-33;  
RESULT 541  
ID AEJ43378 standard; protein; 81 AA.  
DE Human PK1 exons 1 and 2 - PK2 exon 3 fusion protein.  
PN US2006172935-A1.  
PD 03-AUG-2006.

PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.4%; Score 455; DB 7; Length 105;  
Best Local Similarity 88.4%; Pred. No. 6.2e-42;  
RESULT 524  
ID ADS00466 standard; protein; 105 AA.  
DE Murine EG-VEGF, SEQ ID 10.  
PN WO2004081229-A2.  
PD 23-SEP-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 91.4%; Score 455; DB 8; Length 105;  
Best Local Similarity 88.4%; Pred. No. 6.2e-42;  
RESULT 525  
ID ADS86479 standard; protein; 105 AA.  
DE Murine ZAQ ligand protein related to eating disorders & obesity Seq 11.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 91.4%; Score 455; DB 8; Length 105;  
Best Local Similarity 88.4%; Pred. No. 6.2e-42;  
RESULT 526  
ID AAE24391 standard; protein; 86 AA.  
DE Human prokineticin chimera 21 protein.  
PN WO200236625-A2.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 82.9%; Score 413; DB 5; Length 86;  
Best Local Similarity 76.7%; Pred. No. 2e-37;  
RESULT 527  
ID ADO05372 standard; protein; 86 AA.  
DE PK2/PK1 chimeric protein, SEQ ID NO:21.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 82.9%; Score 413; DB 7; Length 86;  
Best Local Similarity 76.7%; Pred. No. 2e-37;  
RESULT 528  
ID ADN43267 standard; protein; 86 AA.  
DE Amino acid sequence of human prokineticin 2 (PK2)/PK1 chimera.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 82.9%; Score 413; DB 8; Length 86;  
Best Local Similarity 76.7%; Pred. No. 2e-37;  
RESULT 529  
ID ADS75505 standard; protein; 86 AA.  
DE Modified human prokineticin chimeric receptor, PK2-PK1.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 82.9%; Score 413; DB 8; Length 86;  
Best Local Similarity 76.7%; Pred. No. 2e-37;  
RESULT 530  
ID ADW00765 standard; protein; 86 AA.  
DE Amino acid sequence of a PK2/PK1 chimera.  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 82.9%; Score 413; DB 9; Length 86;  
Best Local Similarity 76.7%; Pred. No. 2e-37;  
RESULT 531  
ID AD288908 standard; protein; 86 AA.  
DE Human prokineticin 2/prokineticin 1 chimera.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 82.9%; Score 413; DB 9; Length 86;  
Best Local Similarity 76.7%; Pred. No. 2e-37;  
RESULT 532  
ID AED00605 standard; protein; 86 AA.  
DE Human PK2-PK1 chimera SEQ ID NO 17.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.



PA (ZHOU/) ZHOU Q.  
 PA (BULL/) BULLOCK C M.  
 PA (SIEG/) SIEGEL J.  
 Query Match 75.5%; Score 376; DB 10; Length 81;  
 Best Local Similarity 84.4%; Pred. No. 2.2e-33;  
 RESULT 542  
 ID RAY11745 standard; protein; 81 AA.  
 DE Human 5' EST secreted protein SEQ ID NO: 345.  
 FN WO9906550-A2.  
 PD 11-FEB-1999.  
 PA (GEST ) GENSET.  
 Query Match 72.5%; Score 361; DB 2; Length 81;  
 Best Local Similarity 98.4%; Pred. No. 9.7e-32;  
 RESULT 543  
 ID AAG00617 standard; protein; 80 AA.  
 DE Human secreted protein, SEQ ID NO: 4698.  
 FN EP1033401-A2.  
 PD 06-SEP-2000.  
 PA (GEST ) GENSET.  
 Query Match 71.7%; Score 357; DB 3; Length 80;  
 Best Local Similarity 98.4%; Pred. No. 2.6e-31;  
 RESULT 544  
 ID ABG94399 standard; protein; 80 AA.  
 DE Dendroaspis polylepsis MIT1 protein.  
 FN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 63.3%; Score 315; DB 5; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 545  
 ID ABB99160 standard; protein; 80 AA.  
 DE Polyileps MIT1.  
 FN WO200262996-A1.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 63.3%; Score 315; DB 5; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 546  
 ID ABB06310 standard; protein; 80 AA.  
 DE Dendroaspis polylepsis MIT1 protein sequence SEQ ID NO:34.  
 FN WO200206483-A1.  
 PD 24-JAN-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 63.3%; Score 315; DB 5; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 547  
 ID ADD69043 standard; protein; 80 AA.  
 DE Dendroaspis polylepsis MIT1-related protein.  
 FN WO2003066860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 63.3%; Score 315; DB 7; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 548  
 ID ADJ71812 standard; protein; 80 AA.  
 DE Black mamba intestinal toxin protein.  
 FN WO2003040326-A2.  
 PD 15-MAY-2003.  
 PA (HYSE-) HYSE INC.  
 Query Match 63.3%; Score 315; DB 7; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 549  
 ID ADO05364 standard; protein; 80 AA.  
 DE Snake prokineticin orthologue MIT1, SEQ ID NO:13.  
 FN WO2003088904-A2.  
 PD 30-OCT-2003.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 63.3%; Score 315; DB 7; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 550  
 ID ADS86504 standard; protein; 80 AA.  
 DE D polyileps MIT1 protein related to eating disorders & obesity Seq 36.  
 FN WO2004084945-A1.  
 PD 07-OCT-2004.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 63.3%; Score 315; DB 8; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 551  
 ID ADM00763 standard; protein; 80 AA.  
 DE Amino acid sequence of snake MIT1.  
 FN WO2004113361-A2.  
 PD 29-DEC-2004.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 63.3%; Score 315; DB 9; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 552  
 ID AD288906 standard; protein; 80 AA.  
 DE Snake prokineticin 1 homologue, MIT1.  
 FN WO2005042717-A2.  
 PD 12-MAY-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 63.3%; Score 315; DB 9; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 553  
 ID AED00603 standard; protein; 80 AA.  
 DE Snake MIT1 SEQ ID NO 15.  
 FN WO2005091925-A2.  
 PD 06-OCT-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 63.3%; Score 315; DB 9; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 554  
 ID AEJ43371 standard; protein; 80 AA.  
 DE Snake MIT1 protein, SEQ ID NO: 13.  
 FN US2006172935-A1.  
 PD 03-AUG-2006.  
 PA (ZHOU/) ZHOU Q.  
 PA (BULL/) BULLOCK C M.  
 PA (SIEG/) SIEGEL J.  
 Query Match 63.3%; Score 315; DB 10; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 1.1e-26;  
 RESULT 555  
 ID ADV86167 standard; protein; 79 AA.  
 DE Black mamba venom protein A (VPRA), SEQ ID NO:5.  
 FN US2005064522-A1.  
 PD 24-MAR-2005.  
 PA (GETH ) GENENTECH INC.  
 Query Match 62.6%; Score 311.5; DB 9; Length 79;  
 Best Local Similarity 63.6%; Pred. No. 2.6e-26;  
 RESULT 556  
 ID ADN43263 standard; protein; 81 AA.  
 DE Amino acid sequence of MIT1.  
 FN WO2004032851-A2.  
 PD 22-APR-2004.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 62.3%; Score 310.5; DB 8; Length 81;  
 Best Local Similarity 62.8%; Pred. No. 3.4e-26;  
 RESULT 557  
 ID ADS75503 standard; protein; 81 AA.  
 DE Modified black mamba prokineticin receptor, MIT1.  
 FN WO2004087054-A2.  
 PD 14-OCT-2004.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 62.3%; Score 310.5; DB 8; Length 81;  
 Best Local Similarity 62.8%; Pred. No. 3.4e-26;  
 RESULT 558  
 ID ABG94400 standard; protein; 80 AA.  
 DE C-terminal Lys truncated human GPCR ligand Bv8 protein.  
 FN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 58.4%; Score 291; DB 5; Length 80;  
 Best Local Similarity 58.4%; Pred. No. 4.6e-24;  
 RESULT 559  
 ID ADD69044 standard; protein; 80 AA.  
 DE Human Bv8-related protein - SEQ ID 22.

PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 58.4%; Score 291; DB 7; Length 80;  
Best Local Similarity 58.4%; Pred. No. 4.6e-24;  
RESULT 560  
ID ABB94398 standard; protein; 81 AA.  
DE Human GPCR ligand Bv8 protein sequence #2.  
PN WO200262944-A2.  
PD 15-AUG-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 58.4%; Score 291; DB 5; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 561  
ID AAO15530 standard; protein; 81 AA.  
DE Human physiologically-active ZAQ ligand-related protein 5.  
PN WO200257443-A1.  
PD 25-JUL-2002.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 58.4%; Score 291; DB 5; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 562  
ID AAE24385 standard; protein; 81 AA.  
DE Human prokineticin 2 mature protein.  
PN WO200236625-A2.  
PD 10-MAY-2002.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 58.4%; Score 291; DB 5; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 563  
ID ADD69041 standard; protein; 81 AA.  
DE Human Bv8-related protein - SEQ ID 19.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 58.4%; Score 291; DB 7; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 564  
ID ADO05356 standard; protein; 81 AA.  
DE Human major prokineticin 2 (PK2), SEQ ID NO:5.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 58.4%; Score 291; DB 7; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 565  
ID ADN43258 standard; protein; 81 AA.  
DE Amino acid sequence of human prokineticin 2 (PK2) isoform 2.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 58.4%; Score 291; DB 8; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 566  
ID ADR24005 standard; protein; 81 AA.  
DE Human ZAQ-1 ligand-associated protein.  
PN WO2004065419-A1.  
PD 05-AUG-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 58.4%; Score 291; DB 8; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 567  
ID ADS86493 standard; protein; 81 AA.  
DE Human Bv8 protein related to eating disorders & obesity Seq 25.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE ) TAKEDA CHEM IND LTD.  
Query Match 58.4%; Score 291; DB 8; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 568  
ID ADS75497 standard; protein; 81 AA.  
DE Human prokineticin 1 receptor protein isoform 1.  
PN WO2004087054-A2.

PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 58.4%; Score 291; DB 8; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 569  
ID ADW00755 standard; protein; 81 AA.  
DE Amino acid sequence of human prokineticin 2 (PK2).  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 58.4%; Score 291; DB 9; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 570  
ID ADZ88900 standard; protein; 81 AA.  
DE Human prokineticin 2.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 58.4%; Score 291; DB 9; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 571  
ID ADZ58574 standard; protein; 81 AA.  
DE Human ZAQ-2 amino acid sequence - SEQ ID 1.  
PN WO2005037870-A1.  
PD 28-APR-2005.  
PA (TAKE ) TAKEDA PHARM CO LTD.  
Query Match 58.4%; Score 291; DB 9; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 572  
ID AEB45593 standard; protein; 81 AA.  
DE Human Zven1 protein fragment.  
PN US2005153322-A1.  
PD 14-JUL-2005.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 58.4%; Score 291; DB 9; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 573  
ID AED00597 standard; protein; 81 AA.  
DE Human prokineticin receptor 2 (PKR2) SEQ ID NO 9.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 58.4%; Score 291; DB 9; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 574  
ID AEJ43363 standard; protein; 81 AA.  
DE Human prokineticin 2 (PK2) protein, SEQ ID NO: 5.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 58.4%; Score 291; DB 10; Length 81;  
Best Local Similarity 58.4%; Pred. No. 4.7e-24;  
RESULT 575  
ID ADY86166 standard; protein; 100 AA.  
DE Human Bv8 homolog protein, SEQ ID NO:4.  
PN US2005064522-A1.  
PD 24-MAR-2005.  
PA (GETH ) GENENTECH INC.  
Query Match 58.4%; Score 291; DB 9; Length 100;  
Best Local Similarity 58.4%; Pred. No. 5.8e-24;  
RESULT 576  
ID AAB68426 standard; protein; 108 AA.  
DE Amino acid sequence of a human Zven1 polypeptide.  
PN WO200136465-A2.  
PD 25-MAY-2001.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 58.4%; Score 291; DB 4; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 577  
ID ABG94397 standard; protein; 108 AA.  
DE Human GPCR ligand Bv8 protein sequence #1.

PD WO200262944-A2.  
PA (ZYMO) ZYMOGENETICS INC.  
Query Match 58.4%; Score 291; DB 5; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 578  
ID AAO15531 standard; protein; 108 AA.  
DE Human physiologically-active ZAQ ligand-related protein 6.  
PN WO200257443-A1.  
PD 25-JUL-2002.  
PA (TAKE) TAKEDA CHEM IND LTD.  
Query Match 58.4%; Score 291; DB 5; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 579  
ID AAE24384 standard; protein; 108 AA.  
DE Human prokineticin 2 precursor protein.  
PN WO200236625-A2.  
PD 10-MAY-2002.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 58.4%; Score 291; DB 5; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 580  
ID ABU07602 standard; protein; 108 AA.  
DE Human ZVEN1.  
PN US6485938-B1.  
PD 26-NOV-2002.  
PA (ZYMO) ZYMOGENETICS INC.  
Query Match 58.4%; Score 291; DB 6; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 581  
ID AAE36789 standard; protein; 108 AA.  
DE Human Bv8 homologue splice variant protein.  
PN WO2003020892-A2.  
PD 13-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 58.4%; Score 291; DB 6; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 582  
ID ADP69039 standard; protein; 108 AA.  
DE Human Bv8-related protein - SEQ ID 17.  
PN WO2003066860-A1.  
PD 14-AUG-2003.  
PA (TAKE) TAKEDA CHEM IND LTD.  
Query Match 58.4%; Score 291; DB 7; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 583  
ID ADF28067 standard; protein; 108 AA.  
DE Human Zven 1.  
PN US2003148317-A1.  
PD 07-AUG-2003.  
PA (ZYMO) ZYMOGENETICS INC.  
Query Match 58.4%; Score 291; DB 7; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 584  
ID ABG75087 standard; protein; 108 AA.  
DE Human prokineticin 2 (PROK2).  
PN WO2003083073-A2.  
PD 09-OCT-2003.  
PA (FARB) BAYER PHARM CORP.  
Query Match 58.4%; Score 291; DB 7; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 585  
ID ADJ71811 standard; protein; 108 AA.  
DE Human prokineticin 2 protein.  
PN WO2003040326-A2.  
PD 15-MAY-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 58.4%; Score 291; DB 7; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 586  
ID ADN41839 standard; protein; 108 AA.  
DE Amino acid sequence of a human Zven1 polypeptide.  
PN WO2004032850-A2.

PD 22-APR-2004.  
PA (ZYMO) ZYMOGENETICS INC.  
Query Match 58.4%; Score 291; DB 8; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 587  
ID ADO24421 standard; protein; 108 AA.  
DE Human PRO28691 protein SEQ ID NO:60.  
PN WO2004043397-A2.  
PD 27-MAY-2004.  
PA (GETH) GENENTECH INC.  
Query Match 58.4%; Score 291; DB 8; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 588  
ID ADS86957 standard; protein; 108 AA.  
DE Human Zven1 protein.  
PN WO2004031367-A2.  
PD 15-APR-2004.  
PA (ZYMO) ZYMOGENETICS INC.  
Query Match 58.4%; Score 291; DB 8; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 589  
ID ADS00460 standard; protein; 108 AA.  
DE Human Bv8 homologue variant #2, SEQ ID 4.  
PN WO2004081229-A2.  
PD 23-SEP-2004.  
PA (GETH) GENENTECH INC.  
Query Match 58.4%; Score 291; DB 8; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 590  
ID ADS86495 standard; protein; 108 AA.  
DE Human Bv8 protein related to eating disorders & obesity Seq 27.  
PN WO2004084945-A1.  
PD 07-OCT-2004.  
PA (TAKE) TAKEDA CHEM IND LTD.  
Query Match 58.4%; Score 291; DB 8; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 591  
ID ADS75496 standard; protein; 108 AA.  
DE Human prokineticin 1 receptor protein isoform 2.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC) UNIV CALIFORNIA.  
Query Match 58.4%; Score 291; DB 8; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 592  
ID AEA23706 standard; protein; 108 AA.  
DE Human PRO polypeptide SEQ ID NO 248.  
PN WO2005051988-A2.  
PD 09-JUN-2005.  
PA (GETH) GENENTECH INC.  
Query Match 58.4%; Score 291; DB 9; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 593  
ID AEB45585 standard; protein; 108 AA.  
DE Human Zven1 protein, SEQ ID NO: 2.  
PN US2005153322-A1.  
PD 14-JUL-2005.  
PA (ZYMO) ZYMOGENETICS INC.  
Query Match 58.4%; Score 291; DB 9; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 594  
ID AED08085 standard; protein; 108 AA.  
DE Human Zven1 protein.  
PN US2005214800-A1.  
PD 29-SEP-2005.  
PA (ZYMO) ZYMOGENETICS INC.  
Query Match 58.4%; Score 291; DB 9; Length 108;  
Best Local Similarity 58.4%; Pred. No. 6.3e-24;  
RESULT 595  
ID ADN41861 standard; protein; 116 AA.  
DE Amino acid sequence of a human Zven1 with Glu-Glu tag and Gly linker.  
PN WO2004032850-A2.  
PD 22-APR-2004.

PA (ZYMO) ZYMOGENETICS INC.  
 Query Match 58.4%; Score 291; DB 8; Length 116;  
 Best Local Similarity 58.4%; Pred. No. 6.8e-24;  
 RESULT 596  
 ID ADS86981 standard; protein; 116 AA.  
 DE Human Zvemi protein expressed in baculovirus cell expression system.  
 PN WO2004031367-A2.  
 PD 15-APR-2004.  
 PA (ZYMO) ZYMOGENETICS INC.  
 Query Match 58.4%; Score 291; DB 8; Length 116;  
 Best Local Similarity 58.4%; Pred. No. 6.8e-24;  
 RESULT 597  
 ID AEL00451 standard; protein; 116 AA.  
 DE Recombinant N-terminal FLAG-tagged human prokineticin-2.  
 PN WO2006104713-A1.  
 PD 05-OCT-2006.  
 PA (JANC) JANSSEN PHARM NV.  
 (MISK/) MISKOWSKI T A.  
 Query Match 58.4%; Score 291; DB 10; Length 116;  
 Best Local Similarity 58.4%; Pred. No. 6.8e-24;  
 RESULT 598  
 ID ADZ8901 standard; protein; 80 AA.  
 DE Mouse prokineticin 2.  
 PN WO2005042717-A2.  
 PD 12-MAY-2005.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 57.4%; Score 286; DB 9; Length 80;  
 Best Local Similarity 57.1%; Pred. No. 1.6e-23;  
 RESULT 599  
 ID AED00598 standard; protein; 80 AA.  
 DE Mouse/rat prokineticin receptor 2 (PKR2) SEQ ID NO 10.  
 PN WO2005091925-A2.  
 PD 06-OCT-2005.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 57.4%; Score 286; DB 9; Length 80;  
 Best Local Similarity 57.1%; Pred. No. 1.6e-23;  
 RESULT 600  
 ID ABG94402 standard; protein; 81 AA.  
 DE Rat GPCR ligand Bv8 protein sequence #2.  
 PN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 5; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 601  
 ID ABB06963 standard; protein; 81 AA.  
 DE Rat G protein-coupled receptor protein sequence SEQ ID NO:71.  
 PN WO200216607-A1.  
 PD 28-FEB-2002.  
 PA - (TAKE) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 5; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 602  
 ID ADD69061 standard; protein; 81 AA.  
 DE Rat Bv8-related protein - SEQ ID 39.  
 PN WO2003068660-A1.  
 PD 14-AUG-2003.  
 PA (TAKE) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 7; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 603  
 ID ADO05358 standard; protein; 81 AA.  
 DE Mouse major prokineticin 2 (PK2), SEQ ID NO:7.  
 PN WO2003088904-A2.  
 PD 30-OCT-2003.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 57.4%; Score 286; DB 7; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 604  
 ID ADN43260 standard; protein; 81 AA.  
 DE Amino acid sequence of murine prokineticin 2 (PK2).  
 PN WO2004032851-A2.  
 PD 22-APR-2004.

PA (REGC) UNIV CALIFORNIA.  
 Query Match 57.4%; Score 286; DB 8; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 605  
 ID ADN43262 standard; protein; 81 AA.  
 DE Amino acid sequence of rat prokineticin 2 (PK2).  
 PN WO2004032851-A2.  
 PD 22-APR-2004.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 57.4%; Score 286; DB 8; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 606  
 ID ADS86497 standard; protein; 81 AA.  
 DE Rat/ murine Bv8 protein related to eating disorders & obesity Seq 29.  
 PN WO2004084945-A1.  
 PD 07-OCT-2004.  
 PA (TAKE) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 8; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 607  
 ID ADS75520 standard; protein; 81 AA.  
 DE Modified mouse prokineticin 2 receptor, SEQ ID 29.  
 PN WO2004087054-A2.  
 PD 14-OCT-2004.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 57.4%; Score 286; DB 8; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 608  
 ID ADS75522 standard; protein; 81 AA.  
 DE Modified rat prokineticin 2 receptor, SEQ ID 31.  
 PN WO2004087054-A2.  
 PD 14-OCT-2004.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 57.4%; Score 286; DB 8; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 609  
 ID ADM00757 standard; protein; 81 AA.  
 DE Amino acid sequence of murine prokineticin 2 (PK2).  
 PN WO2004113361-A2.  
 PD 29-DEC-2004.  
 PA (REGC) UNIV CALIFORNIA.  
 Query Match 57.4%; Score 286; DB 9; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 610  
 ID AEG43365 standard; protein; 81 AA.  
 DE Mouse prokineticin 2 (PK2) protein, SEQ ID NO: 7.  
 PN US2006172935-A1.  
 PD 03-AUG-2006.  
 PA (ZHOU/) ZHOU Q.  
 PA (BULL/) BULLOCK C M.  
 PA (STEG/) SIEGEL J.  
 Query Match 57.4%; Score 286; DB 10; Length 81;  
 Best Local Similarity 57.1%; Pred. No. 1.7e-23;  
 RESULT 611  
 ID ABG94408 standard; protein; 107 AA.  
 DE Mouse GPCR ligand Bv8 protein.  
 PN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 5; Length 107;  
 Best Local Similarity 57.1%; Pred. No. 2.2e-23;  
 RESULT 612  
 ID ABG94401 standard; protein; 107 AA.  
 DE Rat GPCR ligand Bv8 protein sequence #1.  
 PN WO200262944-A2.  
 PD 15-AUG-2002.  
 PA (TAKE) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 5; Length 107;  
 Best Local Similarity 57.1%; Pred. No. 2.2e-23;  
 RESULT 613  
 ID ABB06962 standard; protein; 107 AA.  
 DE Rat G protein-coupled receptor protein sequence SEQ ID NO:69.  
 PN WO200216607-A1.

PD 28-FEB-2002.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 5; Length 107;  
 Best Local Similarity 57.1%; Pred. No. 2.2e-23;  
 RESULT 614  
 ID AAE36790 standard; protein; 107 AA.  
 DE Mouse Bv8 homologue protein.  
 PN WO2003020892-A2.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 57.4%; Score 286; DB 6; Length 107;  
 Best Local Similarity 57.1%; Pred. No. 2.2e-23;  
 RESULT 615  
 ID ADD69059 standard; protein; 107 AA.  
 DE Rat Bv8-related protein - SEQ ID 37.  
 PN WO200306860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 7; Length 107;  
 Best Local Similarity 57.1%; Pred. No. 2.2e-23;  
 RESULT 616  
 ID ADD69077 standard; protein; 107 AA.  
 DE Murine Bv8-related protein - SEQ ID 55.  
 PN WO200306860-A1.  
 PD 14-AUG-2003.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 7; Length 107;  
 Best Local Similarity 57.1%; Pred. No. 2.2e-23;  
 RESULT 617  
 ID ADS00462 standard; protein; 107 AA.  
 DE Murine Bv8 homologue, SEQ ID 6.  
 PN WO2004081229-A2.  
 PD 23-SEP-2004.  
 PA (GETH ) GENENTECH INC.  
 Query Match 57.4%; Score 286; DB 8; Length 107;  
 Best Local Similarity 57.1%; Pred. No. 2.2e-23;  
 RESULT 618  
 ID ADS86500 standard; protein; 107 AA.  
 DE Rat Bv8 protein related to eating disorders & obesity Seq 32.  
 PN WO2004084945-A1.  
 PD 07-OCT-2004.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 8; Length 107;  
 Best Local Similarity 57.1%; Pred. No. 2.2e-23;  
 RESULT 619  
 ID ADS86502 standard; protein; 107 AA.  
 DE Murine Bv8 peptide DNA related to eating disorders & obesity Seq 34.  
 PN WO2004084945-A1.  
 PD 07-OCT-2004.  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 Query Match 57.4%; Score 286; DB 8; Length 107;  
 Best Local Similarity 57.1%; Pred. No. 2.2e-23;  
 RESULT 620  
 ID ADZ88897 standard; protein; 108 AA.  
 DE Rhesus monkey prokineticin receptor 2.  
 PN WO2005042717-A2.  
 PD 12-MAY-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 57.0%; Score 284; DB 9; Length 108;  
 Best Local Similarity 57.1%; Pred. No. 3.7e-23;  
 RESULT 621  
 ID ASD00594 standard; protein; 108 AA.  
 DE Rhesus monkey prokineticin receptor 2 (PKR2) SEQ ID NO 6.  
 PN WO2005091925-A2.  
 PD 06-OCT-2005.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 57.0%; Score 284; DB 9; Length 108;  
 Best Local Similarity 57.1%; Pred. No. 3.7e-23;  
 RESULT 622  
 ID ADN43265 standard; protein; 77 AA.  
 DE Amino acid sequence of a Bv8 homologue.  
 PN WO2004032851-A2.  
 PD 22-APR-2004.

PA (REGC ) UNIV CALIFORNIA.  
 Query Match 55.9%; Score 278.5; DB 8; Length 77;  
 Best Local Similarity 61.5%; Pred. No. 1e-22;  
 RESULT 623  
 ID ADS75523 standard; protein; 77 AA.  
 DE Modified toad prokineticin receptor.  
 PN WO2004087054-A2.  
 PD 14-OCT-2004.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 55.9%; Score 278.5; DB 8; Length 77;  
 Best Local Similarity 61.5%; Pred. No. 1e-22;  
 RESULT 624  
 ID ADN43257 standard; protein; 102 AA.  
 DE Amino acid sequence of human prokineticin 2 (PK2) isoform 1.  
 PN WO2004032851-A2.  
 PD 22-APR-2004.  
 PA (REGC ) UNIV CALIFORNIA.  
 Query Match 54.3%; Score 270.5; DB 8; Length 102;  
 Best Local Similarity 45.9%; Pred. No. 1.1e-21;  
 RESULT 625  
 ID ADJ71808 standard; protein; 124 AA.  
 DE Human Bv8 protein.  
 PN WO2003040326-A2.  
 PD 15-MAY-2003.  
 PA (HYSE-) HYSEQ INC.  
 Query Match 54.3%; Score 270.5; DB 7; Length 124;  
 Best Local Similarity 45.9%; Pred. No. 1.3e-21;  
 RESULT 626  
 ID AAE36788 standard; protein; 129 AA.  
 DE Human Bv8 homologue protein.  
 PN WO2003020892-A2.  
 PD 13-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 54.3%; Score 270.5; DB 6; Length 129;  
 Best Local Similarity 45.9%; Pred. No. 1.4e-21;  
 RESULT 627  
 ID ADJ71815 standard; protein; 129 AA.  
 DE Human prokineticin 2 precursor protein.  
 PN WO2003040326-A2.  
 PD 15-MAY-2003.  
 PA (HYSE-) HYSEQ INC.  
 Query Match 54.3%; Score 270.5; DB 7; Length 129;  
 Best Local Similarity 45.9%; Pred. No. 1.4e-21;  
 RESULT 628  
 ID ADN41864 standard; protein; 129 AA.  
 DE Amino acid sequence of a longer human Zven1 polypeptide.  
 PN WO2004032850-A2.  
 PD 22-APR-2004.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 54.3%; Score 270.5; DB 8; Length 129;  
 Best Local Similarity 45.9%; Pred. No. 1.4e-21;  
 RESULT 629  
 ID ADS86984 standard; protein; 129 AA.  
 DE Human Zven1 protein longer form.  
 PN WO2004031367-A2.  
 PD 15-APR-2004.  
 PA (ZYMO ) ZYMOGENETICS INC.  
 Query Match 54.3%; Score 270.5; DB 8; Length 129;  
 Best Local Similarity 45.9%; Pred. No. 1.4e-21;  
 RESULT 630  
 ID ADS00458 standard; protein; 129 AA.  
 DE Human Bv8 homologue variant #1, SEQ ID 2.  
 PN WO2004081229-A2.  
 PD 23-SEP-2004.  
 PA (GETH ) GENENTECH INC.  
 Query Match 54.3%; Score 270.5; DB 8; Length 129;  
 Best Local Similarity 45.9%; Pred. No. 1.4e-21;  
 RESULT 631  
 ID ADO05362 standard; protein; 77 AA.  
 DE Xenopus laevis prokineticin orthologue Bv8, SEQ ID NO:11.  
 PN WO200308904-A2.  
 PD 30-OCT-2003.  
 PA (REGC ) UNIV CALIFORNIA.

Query Match 53.7%; Score 267.5; DB 7; Length 77;  
Best Local Similarity 57.7%; Pred. No. 1.7e-21;  
RESULT 632  
ID ADN43264 standard; protein; 77 AA.  
DE Amino acid sequence of Bv8.  
PN WO2004032851-A2.  
PD 22-APR-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.7%; Score 267.5; DB 8; Length 77;  
Best Local Similarity 57.7%; Pred. No. 1.7e-21;  
RESULT 633  
ID ADW00761 standard; protein; 77 AA.  
DE Amino acid sequence of frog Bv8.  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.7%; Score 267.5; DB 9; Length 77;  
Best Local Similarity 57.7%; Pred. No. 1.7e-21;  
RESULT 634  
ID ADZ88905 standard; protein; 77 AA.  
DE Frog prokineticin 1 homologue, Bv8.  
PN WO2005042717-A2.  
PD 12-MAY-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.7%; Score 267.5; DB 9; Length 77;  
Best Local Similarity 57.7%; Pred. No. 1.7e-21;  
RESULT 635  
ID AED00602 standard; protein; 77 AA.  
DE Frog Bv8 SEQ ID NO 14.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.7%; Score 267.5; DB 9; Length 77;  
Best Local Similarity 57.7%; Pred. No. 1.7e-21;  
RESULT 636  
ID AEJ43369 standard; protein; 77 AA.  
DE Frog Bv8 protein, SEQ ID NO: 11.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 53.7%; Score 267.5; DB 10; Length 77;  
Best Local Similarity 57.7%; Pred. No. 1.7e-21;  
RESULT 637  
ID ADJ71813 standard; protein; 96 AA.  
DE Toad Bv8 protein.  
PN WO2003040326-A2.  
PD 13-MAY-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 53.7%; Score 267.5; DB 7; Length 96;  
Best Local Similarity 57.7%; Pred. No. 2.1e-21;  
RESULT 638  
ID ADS75502 standard; protein; 96 AA.  
DE Modified frog prokineticin receptor, Bv8.  
PN WO2004087054-A2.  
PD 14-OCT-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.7%; Score 267.5; DB 8; Length 96;  
Best Local Similarity 57.7%; Pred. No. 2.1e-21;  
RESULT 639  
ID ADO05359 standard; protein; 102 AA.  
DE Mouse minor prokineticin 2 (PK2), SEQ ID NO:8.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.3%; Score 265.5; DB 7; Length 102;  
Best Local Similarity 44.9%; Pred. No. 3.7e-21;  
RESULT 640  
ID ADW00758 standard; protein; 102 AA.  
DE Amino acid sequence of murine prokineticin 2 (PK2).  
PN WO2004113361-A2.  
PD 29-DEC-2004.

PA (REGC ) UNIV CALIFORNIA.  
Query Match 53.3%; Score 265.5; DB 9; Length 102;  
Best Local Similarity 44.9%; Pred. No. 3.7e-21;  
RESULT 641  
ID AEJ43366 standard; protein; 102 AA.  
DE Mouse prokineticin 2 (PK2) protein, SEQ ID NO: 8.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 53.3%; Score 265.5; DB 10; Length 102;  
Best Local Similarity 44.9%; Pred. No. 3.7e-21;  
RESULT 642  
ID ADJ71809 standard; protein; 128 AA.  
DE Mouse Bv8 variant 1 protein.  
PN WO2003040326-A2.  
PD 15-MAY-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 53.3%; Score 265.5; DB 7; Length 128;  
Best Local Similarity 44.9%; Pred. No. 4.7e-21;  
RESULT 643  
ID ADF17105 standard; peptide; 77 AA.  
DE Bombina maxima neurotrophic peptide.  
PN CN1390849-A.  
PD 15-JAN-2003.  
PA (KUNM-) KUNMING ZOOLOGY INST CHINESE ACAD SCI.  
Query Match 51.1%; Score 254.5; DB 7; Length 77;  
Best Local Similarity 56.4%; Pred. No. 4.5e-20;  
RESULT 644  
ID ADO05357 standard; protein; 100 AA.  
DE Human tissue specific (testis) prokineticin 2 (PK2), SEQ ID NO:6.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 50.5%; Score 251.5; DB 7; Length 100;  
Best Local Similarity 44.9%; Pred. No. 1.3e-19;  
RESULT 645  
ID ADW00756 standard; protein; 100 AA.  
DE Amino acid sequence of human prokineticin 2 (PK2).  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 50.5%; Score 251.5; DB 9; Length 100;  
Best Local Similarity 44.9%; Pred. No. 1.3e-19;  
RESULT 646  
ID AEJ43364 standard; protein; 100 AA.  
DE Human prokineticin 2 (PK2) protein, SEQ ID NO: 6.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 50.5%; Score 251.5; DB 10; Length 100;  
Best Local Similarity 44.9%; Pred. No. 1.3e-19;  
RESULT 647  
ID ADO05363 standard; protein; 75 AA.  
DE Toad prokineticin orthologue Bv8, SEQ ID NO:12.  
PN WO2003088904-A2.  
PD 30-OCT-2003.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 50.3%; Score 250.5; DB 7; Length 75;  
Best Local Similarity 56.4%; Pred. No. 1.2e-19;  
RESULT 648  
ID ADW00762 standard; protein; 75 AA.  
DE Amino acid sequence of toad Bv8.  
PN WO2004113361-A2.  
PD 29-DEC-2004.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 50.3%; Score 250.5; DB 9; Length 75;  
Best Local Similarity 56.4%; Pred. No. 1.2e-19;  
RESULT 649  
ID ADZ88904 standard; protein; 75 AA.

DE Toad prokineticin 1 homologue, BV8.  
PN WO2005042717-A2.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 50.3%; Score 250.5; DB 9; Length 75;  
Best Local Similarity 56.4%; Pred. No. 1.2e-19;  
RESULT 650  
ID ABD0601 standard; protein; 75 AA.  
DE Toad bv8 SEQ ID NO 13.  
PN WO2005091925-A2.  
PD 06-OCT-2005.  
PA (REGC ) UNIV CALIFORNIA.  
Query Match 50.3%; Score 250.5; DB 9; Length 75;  
Best Local Similarity 56.4%; Pred. No. 1.2e-19;  
RESULT 651  
ID AEJ43370 standard; protein; 75 AA.  
DE Toad bv8 protein, SEQ ID NO: 12.  
PN US2006172935-A1.  
PD 03-AUG-2006.  
PA (ZHOU/) ZHOU Q.  
PA (BULL/) BULLOCK C M.  
PA (SIEG/) SIEGEL J.  
Query Match 50.3%; Score 250.5; DB 10; Length 75;  
Best Local Similarity 56.4%; Pred. No. 1.2e-19;  
RESULT 652  
ID ADI60152 standard; protein; 126 AA.  
DE Secreted polypeptide #36.  
PN WO2003025142-A2.  
PD 27-MAR-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 45.2%; Score 225; DB 7; Length 126;  
Best Local Similarity 43.9%; Pred. No. 1.3e-16;  
RESULT 653  
ID ADJ71800 standard; protein; 126 AA.  
DE Human prokineticin-like protein.  
PN WO2003040326-A2.  
PD 15-MAY-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 45.2%; Score 225; DB 7; Length 126;  
Best Local Similarity 43.9%; Pred. No. 1.3e-16;  
RESULT 654  
ID AED53711 standard; peptide; 56 AA.  
DE Amino acid sequence of human PK2beta peptide.  
PN WO2005097826-A2.  
PD 20-OCT-2005.  
PA (JANC ) JANSSEN PHARM NV.  
Query Match 37.3%; Score 186; DB 9; Length 56;  
Best Local Similarity 52.7%; Pred. No. 1.1e-12;  
RESULT 655  
ID AED53712 standard; peptide; 56 AA.  
DE Amino acid sequence of human PK2beta peptide #2.  
PN WO2005097826-A2.  
PD 20-OCT-2005.  
PA (JANC ) JANSSEN PHARM NV.  
Query Match 36.9%; Score 184; DB 9; Length 56;  
Best Local Similarity 57.4%; Pred. No. 1.8e-12;  
RESULT 656  
ID AA027072 standard; peptide; 30 AA.  
DE Monkey AXOR8 receptor N-terminal peptide, SEQ ID No 20.  
PN GB2378183-A.  
PD 05-FEB-2003.  
PA (SMIK ) SMITHKLINE BEECHAM CORP.  
PA (SMIK ) SMITHKLINE BEECHAM PLC.  
Query Match 31.3%; Score 156; DB 6; Length 30;  
Best Local Similarity 90.0%; Pred. No. 1.1e-09;  
RESULT 657  
ID AEA18405 standard; peptide; 24 AA.  
DE R. saharica insulin releasing peptide #1.  
PN WO2005047316-A2.  
PD 26-MAY-2005.  
PA (UYUL-) UNIV ULSTER.  
Query Match 24.1%; Score 120; DB 9; Length 24;  
Best Local Similarity 91.3%; Pred. No. 7.6e-06;  
RESULT 658  
ID AAY44934 standard; protein; 271 AA.  
DE Human dickkopf-1 homolog 3 protein.  
PN WO200006714-A1.  
PD 10-FEB-2000.  
PA (ELIL ) LILLY & CO ELI.  
Query Match 22.5%; Score 112; DB 3; Length 271;  
Best Local Similarity 32.9%; Pred. No. 0.00072;  
RESULT 659  
ID ADF28074 standard; peptide; 23 AA.  
DE Human Zven polypeptide motif #2.  
PN US2003148317-A1.  
PD 07-AUG-2003.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 21.9%; Score 109; DB 7; Length 23;  
Best Local Similarity 73.9%; Pred. No. 0.00012;  
RESULT 660  
ID ADN41845 standard; peptide; 23 AA.  
DE Motif found in Zven1 and Zven1 polypeptides.  
PN WO2004032850-A2.  
PD 22-APR-2004.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 21.9%; Score 109; DB 8; Length 23;  
Best Local Similarity 73.9%; Pred. No. 0.00012;  
RESULT 661  
ID ADS86964 standard; peptide; 23 AA.  
DE Human Zven protein motif #2.  
PN WO2004031367-A2.  
PD 15-APR-2004.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 21.9%; Score 109; DB 8; Length 23;  
Best Local Similarity 73.9%; Pred. No. 0.00012;  
RESULT 662  
ID AEB45592 standard; peptide; 23 AA.  
DE Human Zven1 and Zven2 motif peptide, SEQ ID NO: 9.  
PN US2005153322-A1.  
PD 14-JUL-2005.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 21.9%; Score 109; DB 9; Length 23;  
Best Local Similarity 73.9%; Pred. No. 0.00012;  
RESULT 663  
ID AED08092 standard; peptide; 23 AA.  
DE Human Zven1/Zven2 motif peptide - SEQ ID 9.  
PN US2005214800-A1.  
PD 29-SEP-2005.  
PA (ZYMO ) ZYMOGENETICS INC.  
Query Match 21.9%; Score 109; DB 9; Length 23;  
Best Local Similarity 73.9%; Pred. No. 0.00012;  
RESULT 664  
ID AEA16257 standard; protein; 221 AA.  
DE Mouse Dickkopf-4 (Dkk-4) protein.  
PN WO2005049797-A2.  
PD 02-JUN-2005.  
PA (MERI ) MERCK & CO INC.  
Query Match 21.8%; Score 108.5; DB 9; Length 221;  
Best Local Similarity 35.5%; Pred. No. 0.0014;  
RESULT 665  
ID ASC06122 standard; peptide; 18 AA.  
DE Human EG-VEGF peptide (amino acids 50-67).  
PN WO2005076972-A2.  
PD 25-AUG-2005.  
PA (OHIS ) UNIV OHIO STATE RES FOUND.  
Query Match 21.7%; Score 108; DB 9; Length 18;  
Best Local Similarity 100.0%; Pred. No. 0.00012;  
RESULT 666  
ID ADI60388 standard; protein; 40 AA.  
DE Secreted polypeptide encoded by gene splice variant #24.  
PN WO2003025142-A2.  
PD 27-MAR-2003.  
PA (HYSE-) HYSEQ INC.  
Query Match 21.7%; Score 108; DB 7; Length 40;  
Best Local Similarity 58.1%; Pred. No. 0.00027;  
RESULT 667





PA (CURA-) CURAGEN CORP.  
 Query Match 21.6%; Score 107.5; DB 7; Length 180;  
 Best Local Similarity 35.5%; Pred. No. 0.0015;  
 RESULT 673  
 ID ADM93402 standard; protein; 180 AA.  
 DE Human NOVX polypeptide #17.  
 PN US2004067882-A1.  
 PD 08-APR-2004.  
 PA (ALSO/) ALSOBROOK J P.  
 PA (ALVA/) ALVAREZ E.  
 PA (ANDE/) ANDERSON D W.  
 PA (BARO/) BARON M.  
 PA (BOLD/) BOLDOG F L.  
 PA (BURG/) BURGESS C E.  
 PA (CASM/) CASMAN S J.  
 PA (CHAP/) CHAPOVAL A.  
 PA (DHAN/) DHANABAL M.  
 PA (EDIN/) EDINGER S R.  
 PA (EISE/) EISEN A.  
 PA (ELLE/) ELLERMAN K.  
 PA (ETTE/) ETTENBERG S.  
 PA (GANG/) GANGOLLI E A.  
 PA (GERL/) GERLACH V.  
 PA (GORM/) GORMAN L.  
 PA (GROS/) GROSSE W M.  
 PA (GUOX/) GUO X.  
 PA (HACK/) HACKETT C.  
 PA (JIWW/) JI W.  
 PA (KEKU/) KEKUDA R.  
 PA (KHRA/) KHRAMTSOV N V.  
 PA (LEPL/) LEPLEY D M.  
 PA (LILL/) LI L.  
 PA (MACD/) MACDOUGALL J R.  
 PA (MALY/) MALYANKAR U M.  
 PA (MAZU/) MAZUR A.  
 PA (MCQU/) MCQUEENEY K.  
 PA (MEZE/) MEZES P S.  
 PA (MILL/) MILLER C E.  
 PA (MILL/) MILLET I.  
 PA (MISH/) MISHRA V.  
 PA (PADI/) PADIGARU M.  
 PA (PATT/) PATTURAJAN M.  
 PA (PENA/) PENNA C E A.  
 PA (PEYM/) PEYMAN J A.  
 PA (RAST/) RASTELLI L.  
 PA (RIEG/) RIEGER D K.  
 PA (ROTH/) ROTHENBERG M E.  
 PA (SHEN/) SHENOY S G.  
 PA (SHIM/) SHIMKETS R A.  
 PA (SMIT/) SMITHSON G.  
 PA (SPAD/) SPADERNA S K.  
 PA (STAR/) STARLING G.  
 PA (SPYT/) SPYTEK K A.  
 PA (STON/) STONE D J.  
 PA (TCHE/) TCHERNEV V T.  
 PA (TWOM/) TWOMLOW N.  
 PA (VERN/) VERNET C A M.  
 PA (ZERH/) ZERHUSEN B D.  
 PA (VOSS/) VOSS E Z.  
 PA (ZHON/) ZHONG M.  
 Query Match 21.6%; Score 107.5; DB 8; Length 180;  
 Best Local Similarity 35.5%; Pred. No. 0.0015;  
 RESULT 674  
 ID AA73017 standard; protein; 224 AA.  
 DE Human cysteine-rich secreted protein CRSP-2.  
 PN WO9846755-A1.  
 PD 22-OCT-1998.  
 PA (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.  
 Query Match 21.6%; Score 107.5; DB 2; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 675  
 ID AAY92075 standard; protein; 224 AA.  
 DE Human DKR-4.

PN WO200018914-A2.  
 PD 06-APR-2000.  
 PA (ANGE-) ANGEN INC.  
 Query Match 21.6%; Score 107.5; DB 3; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 676  
 ID AAB08875 standard; protein; 224 AA.  
 DE Amino acid sequence of a human Dickkopf (Dkk)-4 protein.  
 PN WO200052047-A2.  
 PD 08-SEP-2000.  
 PA (MILL-) MILLENNIUM PHARM INC.  
 Query Match 21.6%; Score 107.5; DB 3; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 677  
 ID ABU55916 standard; protein; 224 AA.  
 DE Human protein DKK4.  
 PN WO200277204-A2.  
 PD 03-OCT-2002.  
 PA (AXOR-) AXORDIA LTD.  
 Query Match 21.6%; Score 107.5; DB 6; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 678  
 ID AAE34070 standard; protein; 224 AA.  
 DE DKK 4 protein.  
 PN WO200290992-A2.  
 PD 14-NOV-2002.  
 PA (AXOR-) AXORDIA LTD.  
 Query Match 21.6%; Score 107.5; DB 6; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 679  
 ID ADE28651 standard; protein; 224 AA.  
 DE Human NOV9a protein - SEQ ID 28.  
 PN WO2003040330-A2.  
 PD 15-MAY-2003.  
 PA (CURA-) CURAGEN CORP.  
 Query Match 21.6%; Score 107.5; DB 7; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 680  
 ID ADJ68529 standard; protein; 224 AA.  
 DE Human heat mitochondrial protein as a therapeutic target SeqID335.  
 PN WO2003087768-A2.  
 PD 23-OCT-2003.  
 PA (MITO-) MITOKOR.  
 PA (BUCK-) BUCK INST AGE RES.  
 Query Match 21.6%; Score 107.5; DB 7; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 681  
 ID ADN39310 standard; protein; 224 AA.  
 DE Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:628.  
 PN WO2003042661-A2.  
 PD 22-MAY-2003.  
 PA (EOSB-) EOS BIOTECHNOLOGY INC.  
 Query Match 21.6%; Score 107.5; DB 7; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 682  
 ID ADM93396 standard; protein; 224 AA.  
 DE Human NOVX polypeptide #14.  
 PN US2004067882-A1.  
 PD 08-APR-2004.  
 PA (ALSO/) ALSOBROOK J P.  
 PA (ALVA/) ALVAREZ E.  
 PA (ANDE/) ANDERSON D W.  
 PA (BARO/) BARON M.  
 PA (BOLD/) BOLDOG F L.  
 PA (BURG/) BURGESS C E.  
 PA (CASM/) CASMAN S J.  
 PA (CHAP/) CHAPOVAL A.  
 PA (DHAN/) DHANABAL M.  
 PA (EDIN/) EDINGER S R.  
 PA (ELLE/) EISEN A.  
 PA (ETTE/) ETTENBERG S.  
 PA (GANG/) GANGOLLI E A.

PA (GERL/) GERLACH V.  
 PA (GORM/) GORMAN L.  
 PA (GROS/) GROSSE W. M.  
 PA (GUOX/) GUO X.  
 PA (HACK/) HACKETT C.  
 PA (JIWW/) JI W.  
 PA (KERU/) KHRAMTSOV N. V.  
 PA (LEPL/) LEPLLEY D. M.  
 PA (LILL/) LI L.  
 PA (MACD/) MACDOUGALL J. R.  
 PA (MALY/) MALYANKAR U. M.  
 PA (MAZU/) MAZUR A.  
 PA (MCQU/) MCQUEENEY K.  
 PA (MEZE/) MEZES P. S.  
 PA (MILL/) MILLER C. E.  
 PA (MISH/) MISHRA V.  
 PA (PADI/) PADIGARU M.  
 PA (PATT/) PATTURAJAN M.  
 PA (PENA/) PENA C. E. A.  
 PA (PEYM/) PEYMAN J. A.  
 PA (RAST/) RASTELLI L.  
 PA (RIEG/) RIEGER D. K.  
 PA (ROTH/) ROTHENBERG M. E.  
 PA (SHEN/) SHENOY S. G.  
 PA (SHIM/) SHIMKETS R. A.  
 PA (SMIT/) SMITHSON G.  
 PA (SPAD/) SPADERNA S. K.  
 PA (STAR/) STARLING G.  
 PA (SPYT/) SPYTEK K. A.  
 PA (STON/) STONE D. J.  
 PA (TCHE/) TCHERNEV V. T.  
 PA (TWOM/) TWOMLOW N.  
 PA (VERN/) VERNET C. A. M.  
 PA (ZERR/) ZERHUSEN B. D.  
 PA (VOSS/) VOSS E. Z.  
 PA (ZHON/) ZHONG M.  
 Query Match 21.6%; Score 107.5; DB 8; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 683  
 ID AEA16256 standard; protein; 224 AA.  
 DE Human Dickkopf-4 (Dkk-4) protein.  
 PN WO2005049797-A2.  
 PD 02-JUN-2005.  
 PA (MERI) MERCK & CO INC.  
 Query Match 21.6%; Score 107.5; DB 9; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 684  
 ID AEA16254 standard; protein; 224 AA.  
 DE Cynomolgus monkey Dickkopf-4 (CDKK-4) protein.  
 PN WO2005049797-A2.  
 PD 02-JUN-2005.  
 PA (MERI) MERCK & CO INC.  
 Query Match 21.6%; Score 107.5; DB 9; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 685  
 ID AEA14169 standard; protein; 224 AA.  
 DE Dickkopf homolog 4, DKK4, SEQ ID 2.  
 PN JP2006166789-A.  
 PD 29-JUN-2006.  
 PA (UYHI-) UNIV HIROSHIMA.  
 Query Match 21.6%; Score 107.5; DB 10; Length 224;  
 Best Local Similarity 35.5%; Pred. No. 0.0019;  
 RESULT 686  
 ID AAW73019 standard; protein; 179 AA.  
 DE Human cysteine-rich secreted protein CRSP-4.  
 PN WO9846755-A1.  
 PD 22-OCT-1998.  
 PA (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.  
 Query Match 20.5%; Score 102; DB 2; Length 179;  
 Best Local Similarity 31.5%; Pred. No. 0.0059;  
 RESULT 687  
 ID AAB08877 standard; protein; 179 AA.  
 DE A partial human Dickkopf (Dkk)-2 protein.  
 PN WO200052047-A2.  
 PD 08-SEP-2000.  
 PA (MILL-) MILLENNIUM PHARM INC.  
 Query Match 20.5%; Score 102; DB 3; Length 179;  
 Best Local Similarity 31.5%; Pred. No. 0.0059;  
 RESULT 688  
 ID ADO35297 standard; protein; 179 AA.  
 DE Human Dkk2 carboxy terminal cysteine rich region.  
 PN US2004014209-A1.  
 PD 22-JAN-2004.  
 PA (LASS/) LASSAR A. B.  
 PA (MERC/) MERCOLA M.  
 PA (GUPT/) GUPTA R.  
 PA (MARV/) MARVIN M.  
 PA (SCHN/) SCHNEIDER V.  
 PA (TZAH/) TZAHOOR E.  
 PA (BROT/) BROTT B.  
 PA (SOKO/) SOKOL S.  
 Query Match 20.5%; Score 102; DB 8; Length 179;  
 Best Local Similarity 31.5%; Pred. No. 0.0059;  
 RESULT 689  
 ID AAY92074 standard; protein; 207 AA.  
 DE Human DKR-2 splice variant, DKR-2a.  
 PN WO200018914-A2.  
 PD 06-APR-2000.  
 PA (AMGE-) AMGEN INC.  
 Query Match 20.5%; Score 102; DB 3; Length 207;  
 Best Local Similarity 31.5%; Pred. No. 0.0068;  
 RESULT 690  
 ID AAY92073 standard; protein; 259 AA.  
 DE Human DKR-2.  
 PN WO200018914-A2.  
 PD 06-APR-2000.  
 PA (AMGE-) AMGEN INC.  
 Query Match 20.5%; Score 102; DB 3; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.0086;  
 RESULT 691  
 ID AAY99360 standard; protein; 259 AA.  
 DE Human PRO1316 (UNQ682) amino acid sequence SEQ ID NO:70.  
 PN WO200012708-A2.  
 PD 09-MAR-2000.  
 PA (GETH) GENENTECH INC.  
 Query Match 20.5%; Score 102; DB 3; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.0086;  
 RESULT 692  
 ID AAB66109 standard; protein; 259 AA.  
 DE Protein of the invention #21.  
 PN WO200078961-A1.  
 PD 28-DEC-2000.  
 PA (GETH) GENENTECH INC.  
 Query Match 20.5%; Score 102; DB 4; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.0086;  
 RESULT 693  
 ID AAU29148 standard; protein; 259 AA.  
 DE Human PRO polypeptide sequence #125.  
 PN WO200168848-A2.  
 PD 20-SEP-2001.  
 PA (GETH) GENENTECH INC.  
 Query Match 20.5%; Score 102; DB 4; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.0086;  
 RESULT 694  
 ID ABU58524 standard; protein; 259 AA.  
 DE Human PRO polypeptide #125.  
 PN US2003027272-A1.  
 PD 06-FEB-2003.  
 Query Match 20.5%; Score 102; DB 6; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.0086;  
 RESULT 695  
 ID ABU88072 standard; protein; 259 AA.  
 DE Novel human secreted and transmembrane protein PRO1316.  
 PN US2003032127-A1.

RESULT 706  
ID AB002813 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
FN US2003040062-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 707  
ID ABR74967 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003040056-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 708  
ID ABR94729 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003044926-A1.  
PD 06-MAR-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 709  
ID ABU85702 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
FN US2003036140-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 710  
ID ABU98862 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
FN US2003013153-A1.  
PD 16-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 711  
ID ABU98077 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
FN US2003017544-A1.  
PD 23-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 712  
ID ABU91783 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
FN US2003027277-A1.  
PD 06-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 713  
ID ABUS9476 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
FN US2003036141-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 714  
ID ABUS6317 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
FN US2003036146-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 715  
ID ABU67530 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
FN US2003036162-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;



DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003040060-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 737  
ID ABO13790 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003044916-A1.  
PD 06-MAR-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 738  
ID ABU5693 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein, SEQ ID 250.  
PN US2003036156-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 739  
ID ABO07541 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032117-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 740  
ID ABO03728 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036128-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 741  
ID ABR67176 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027266-A1.  
PD 06-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 742  
ID ABO15779 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054483-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 743  
ID AAE34068 standard; protein; 259 AA.  
DE DKX 2 protein.  
PN WO200290992-A2.  
PD 14-NOV-2002.  
PA (AXOR-) AXORDIA LTD.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 744  
ID ABUS6060 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein, PRO1316.  
PN US2003022298-A1.  
PD 30-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 745  
ID ABU65388 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032102-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 746  
ID ABU95333 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003027274-A1.

PN US2003036117-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 747  
ID ABU71236 standard; protein; 259 AA.  
DE Human PRO1316 protein.  
PN US2003036143-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 748  
ID ABO07846 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032130-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 749  
ID ABR70087 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003032138-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 750  
ID ABR69420 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036132-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 751  
ID ABO01561 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003008353-A1.  
PD 09-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 752  
ID ABUS1363 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003017542-A1.  
PD 23-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 753  
ID ABR60160 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003032137-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 754  
ID ABR67895 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027269-A1.  
PD 06-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 755  
ID ABR65283 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027268-A1.  
PD 06-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 756  
ID ABR68505 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027274-A1.

PD 06-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 757  
ID ABR71917 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003032135-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 758  
ID ABU85397 standard; protein; 259 AA.  
DE Human secreted polypeptide #125.  
PN US2003022295-A1.  
PD 30-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 759  
ID ABU89087 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003022297-A1.  
PD 30-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 760  
ID ABU83167 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032105-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 761  
ID ABU95023 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032123-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 762  
ID ABU90571 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032108-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 763  
ID ABU84082 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032111-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 764  
ID ABU93733 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032119-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 765  
ID ABR64978 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027263-A1.  
PD 06-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 766  
ID ABR68810 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027271-A1.  
PD 06-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 767  
ID ABO06626 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036125-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 768  
ID ABR99171 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040068-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 769  
ID ABU57055 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003027280-A1.  
PD 06-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 770  
ID ABU86007 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003022300-A1.  
PD 30-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 771  
ID ABU82294 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036136-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 772  
ID ABU87305 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003036138-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 773  
ID ABU83777 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032109-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 774  
ID ABO08151 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003040066-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 775  
ID ABU81862 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032104-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 776  
ID ABU66026 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036157-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 777  
ID ABR68810 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027271-A1.  
PD 06-FEB-2003.



ID ABR59855 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003032120-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 778  
ID ABR70392 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003032139-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 789  
ID ABU98557 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003022301-A1.  
PD 30-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 790  
ID ABR65956 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036165-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 791  
ID ABR64673 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027262-A1.  
PD 06-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 792  
ID ABU79598 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032110-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 793  
ID ABU92989 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036142-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 794  
ID ABU95948 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003036145-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 795  
ID ABU91168 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036154-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 796  
ID ABU90261 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036153-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 797  
ID ABO09676 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003044931-A1.  
PD 06-MAR-2003.

ID ABR59855 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003032120-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 778  
ID ABU94043 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003036155-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 779  
ID ABU99896 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003022296-A1.  
PD 30-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 780  
ID ABR66566 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027281-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 781  
ID ABR90984 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040058-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 782  
ID ABU94411 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003017540-A1.  
PD 23-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 783  
ID ABU79293 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032106-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 784  
ID ABU86622 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032129-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 785  
ID ABU86927 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032131-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 786  
ID ABU94716 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032103-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 787  
ID ABO04643 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.

Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 798  
ID ABO10948 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036150-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 799  
ID ABR71002 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040069-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 800  
ID ABU87610 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003022293-A1.  
PD 30-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 801  
ID ABU91478 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032128-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 802  
ID ABU84692 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032116-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 803  
ID ABR69782 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003032122-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 804  
ID ABU80159 standard; protein; 259 AA.  
DE Human PRO protein #125.  
PN US2003036139-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 805  
ID ABU93428 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003017541-A1.  
PD 23-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 806  
ID ABO09981 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003017543-A1.  
PD 23-JAN-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 807  
ID ABO09066 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036152-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 808  
ID ABO09981 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036152-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 809  
ID ABU95643 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003032115-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 810  
ID ABU96852 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003032140-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 811  
ID ABR70697 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040076-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 812  
ID ABO05048 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003008352-A1.  
PD 09-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 813  
ID ABO08456 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003044922-A1.  
PD 06-MAR-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 814  
ID ABO05663 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032118-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 815  
ID ABR74052 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036135-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 816  
ID ABR95644 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054455-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 817  
ID ABR80941 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049741-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 818  
ID ABR81246 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049743-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 819  
ID ASM00942 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049769-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 820  
ID ABR88544 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068743-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 821  
ID ASM77365 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054479-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 822  
ID ABO28849 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068685-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 823  
ID ABO31594 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068725-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 824  
ID ABO08011 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068752-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 825  
ID ABO40491 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068682-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 826  
ID ABO35916 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068701-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 827  
ID ABO40055 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068755-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 828  
ID ADA78002 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003073180-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 829  
ID ABM24850 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104539-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 830  
ID ABO03118 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036131-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 831  
ID ABR90374 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040075-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 832  
ID ABM17288 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054459-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 833  
ID ABR95034 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003044930-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 834  
ID ABR95339 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040071-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 835  
ID ABO21577 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054471-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 836  
ID ABR97841 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064452-A1.  
PD 03-APR-2003.

PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 837  
ID ABR87629 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068705-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 838  
ID ABR77670 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054473-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 839  
ID ABR27900 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064440-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 840  
ID ABR06181 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068704-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 841  
ID ABR03687 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068722-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 842  
ID ABR35138 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073183-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 843  
ID ABR26375 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104549-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 844  
ID ABR048157 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049749-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 845  
ID ABR92899 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064462-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 846  
ID ABR024660 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003085159-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 847  
ID ABR11671 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064447-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 848  
ID ABR02772 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073184-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 849  
ID ABR16068 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064463-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 850  
ID ABR027629 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003064451-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 851  
ID ABR29120 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068721-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 852  
ID ABR07096 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068699-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 853  
ID ABR21190 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068707-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 854  
ID ABR09536 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073175-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 855  
ID ABO41406 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
FN US2003068695-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 856  
ID ABO36221 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
FN US2003068703-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 857  
ID ABO43750 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
FN US2003068732-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 858  
ID ABM76450 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003082717-A1.  
PD 01-MAY-2003.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 859  
ID ABM76146 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003104548-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 860  
ID ABM25765 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003104542-A1.  
PD 05-JUN-2003.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 861  
ID ABM26070 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003104543-A1.  
PD 05-JUN-2003.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 862  
ID ABO03423 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
FN US2003036127-A1.  
PD 20-FEB-2003.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 863  
ID ABO02508 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
FN US2003040061-A1.  
PD 27-FEB-2003.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 864  
ID ABR90679 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003036130-A1.  
PD 20-FEB-2003.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 865  
ID ABR73747 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003054468-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 866  
ID ABO16999 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
FN US2003054470-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 867  
ID ABR94424 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003044917-A1.  
PD 06-MAR-2003.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 868  
ID ABR75931 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003044929-A1.  
PD 06-MAR-2003.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 869  
ID ABR71307 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003059880-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 870  
ID ABR93204 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003064465-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 871  
ID ABR93509 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003054478-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 872  
ID ABR87934 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
FN US2003068718-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 873  
ID ABO33602 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
FN US2003073130-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 874  
ID ABO27934 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
FN US2003073130-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 875  
ID ABO27934 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
FN US2003073130-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match  
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003064454-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 875  
ID ABO30069 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003064461-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 876  
ID ABO33278 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068724-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 877  
ID ABO4966 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068727-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 878  
ID ABO4966 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068727-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 879  
ID ABO36526 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068714-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 880  
ID ABO35611 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068758-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 881  
ID ABO39576 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068776-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 882  
ID ABO10451 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003069407-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 883  
ID ABO11976 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068692-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 884  
ID ABO52122 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003049768-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 885  
ID ABO52427 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003049771-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 886  
ID ABO23745 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032134-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 887  
ID ABR97231 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054481-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 888  
ID ABR87019 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049778-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 889  
ID ABR11061 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049782-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 890  
ID ABR28205 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054476-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 891  
ID ABO32204 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068733-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 892  
ID ABR15331 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068692-A1.  
PD 10-APR-2003.

PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 893  
ID ABM06486 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068709-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 894  
ID ABM04297 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068716-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 895  
ID ABM22410 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068740-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 896  
ID ABM07706 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068751-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 897  
ID ABM040796 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068684-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 898  
ID ABM35443 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073179-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 899  
ID ABM33206 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003087374-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 900  
ID ABM02732 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003049773-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 901  
ID ABM050292 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049777-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;

Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 902  
ID ABU99286 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003040055-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 903  
ID ABO04338 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US20030316164-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 904  
ID ABO05968 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003040074-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 905  
ID ABM18508 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054480-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 906  
ID ABR97536 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059885-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 907  
ID ABR80636 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049740-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 908  
ID ABM01247 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049770-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 909  
ID ABR88849 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073169-A1.  
PD 17-APR-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 910  
ID ABM13501 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064457-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 911  
ID ABM20885 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068711-A1.



PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 912  
ID ABO42016 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049745-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 913  
ID ABO42626 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049751-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 914  
ID ABO10146 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003067478-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 915  
ID ABO38661 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068773-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 916  
ID ABO32901 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073185-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 917  
ID ABO22715 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003087373-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 918  
ID ABO74926 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003096353-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 919  
ID ABO79794 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003073173-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 920  
ID ABR96316 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054458-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 921  
ID ABO37746 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059886-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 922  
ID ABR86409 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049758-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 923  
ID ABR86714 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049772-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 924  
ID ABR16678 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064448-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 925  
ID ABR29730 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064456-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 926  
ID ABO29154 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068693-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 927  
ID ABR23935 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068735-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 928  
ID ABR23325 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068753-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 929  
ID ABR2105 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068742-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 930  
ID ABO37746 standard; protein; 259 AA.

DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068756-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 931  
ID ABR28510 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003082715-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 932  
ID ABR28815 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003082716-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 933  
ID ABR66459 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068737-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 934  
ID ABR75841 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104547-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 935  
ID ABR34121 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003096359-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 936  
ID ABR34426 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003100061-A1.  
PD 29-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 937  
ID ABO20357 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032125-A1.  
PD 13-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 938  
ID ABO21272 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054454-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 939  
ID ABO22187 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054477-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 940  
ID ABR96621 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054460-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 941  
ID ABR85799 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049753-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 942  
ID ABR99781 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049763-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 943  
ID ABR00332 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073172-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 944  
ID ABR00637 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073172-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 945  
ID ABO29764 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068700-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 946  
ID ABR23630 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068736-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 947  
ID ABR29425 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068679-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 948  
ID ABO38356 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068767-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 949  
ID ABO45656 standard; protein; 259 AA.

[illegible]

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| ID                    | ABO35306 standard; protein; 259 AA.                |
| DE                    | Human PRO polypeptide #125.                        |
| PN                    | US2003068738-A1.                                   |
| PD                    | 10-APR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 969            |                                                    |
| ID                    | ABM25155 standard; protein; 259 AA.                |
| DE                    | Human secreted polypeptide PRO1316, SEQ ID NO:250. |
| PN                    | US2003104540-A1.                                   |
| PD                    | 05-JUN-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 970            |                                                    |
| ID                    | ABO47547 standard; protein; 259 AA.                |
| DE                    | Human secreted/transmembrane protein (PRO) #125.   |
| PN                    | US2003049742-A1.                                   |
| PD                    | 13-MAR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 971            |                                                    |
| ID                    | ABO47852 standard; protein; 259 AA.                |
| DE                    | Human secreted/transmembrane protein (PRO) #125.   |
| PN                    | US2003049747-A1.                                   |
| PD                    | 13-MAR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 972            |                                                    |
| ID                    | ABO48462 standard; protein; 259 AA.                |
| DE                    | Human secreted/transmembrane protein (PRO) #125.   |
| PN                    | US2003049750-A1.                                   |
| PD                    | 13-MAR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 973            |                                                    |
| ID                    | ABO51512 standard; protein; 259 AA.                |
| DE                    | Human PRO polypeptide #125.                        |
| PN                    | US2003049766-A1.                                   |
| PD                    | 13-MAR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 974            |                                                    |
| ID                    | ABO51817 standard; protein; 259 AA.                |
| DE                    | Human PRO polypeptide #125.                        |
| PN                    | US2003049767-A1.                                   |
| PD                    | 13-MAR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 975            |                                                    |
| ID                    | ABO50597 standard; protein; 259 AA.                |
| DE                    | Human secreted/transmembrane protein (PRO) #125.   |
| PN                    | US2003049779-A1.                                   |
| PD                    | 13-MAR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 976            |                                                    |
| ID                    | ABR79721 standard; protein; 259 AA.                |
| DE                    | Human secreted polypeptide PRO1316, SEQ ID NO:250. |
| PN                    | US2003040059-A1.                                   |
| PD                    | 27-FEB-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 977            |                                                    |
| ID                    | ABM16983 standard; protein; 259 AA.                |
| DE                    | Human secreted polypeptide PRO1316, SEQ ID NO:250. |
| PN                    | US2003040078-A1.                                   |
| PD                    | 10-APR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 978            |                                                    |
| ID                    | ABO18015 standard; protein; 259 AA.                |
| DE                    | Human secreted/transmembrane protein (PRO) #125.   |
| PN                    | US2003044918-A1.                                   |
| PD                    | 06-MAR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 979            |                                                    |
| ID                    | ABO20967 standard; protein; 259 AA.                |
| DE                    | Human secreted/transmembrane protein (PRO) #125.   |
| PN                    | US2003032132-A1.                                   |
| PD                    | 13-FEB-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 980            |                                                    |
| ID                    | ABR69926 standard; protein; 259 AA.                |
| DE                    | Human secreted polypeptide PRO1316, SEQ ID NO:250. |
| PN                    | US2003054462-A1.                                   |
| PD                    | 20-MAR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 981            |                                                    |
| ID                    | ABM12281 standard; protein; 259 AA.                |
| DE                    | Human secreted polypeptide PRO1316, SEQ ID NO:250. |
| PN                    | US2003064445-A1.                                   |
| PD                    | 03-APR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 982            |                                                    |
| ID                    | ABM16373 standard; protein; 259 AA.                |
| DE                    | Human secreted polypeptide PRO1316, SEQ ID NO:250. |
| PN                    | US2003064449-A1.                                   |
| PD                    | 03-APR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 983            |                                                    |
| ID                    | ABM24240 standard; protein; 259 AA.                |
| DE                    | Human secreted polypeptide PRO1316, SEQ ID NO:250. |
| PN                    | US2003064441-A1.                                   |
| PD                    | 03-APR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 984            |                                                    |
| ID                    | ABM14721 standard; protein; 259 AA.                |
| DE                    | Human secreted polypeptide PRO1316, SEQ ID NO:250. |
| PN                    | US2003068696-A1.                                   |
| PD                    | 10-APR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102; DB 6; Length 259;                |
| Best Local Similarity | 31.5%; Pred. No. 0.0086;                           |
| RESULT 985            |                                                    |
| ID                    | ABM04602 standard; protein; 259 AA.                |
| DE                    | Human secreted polypeptide PRO1316, SEQ ID NO:250. |
| PN                    | US2003068712-A1.                                   |
| PD                    | 10-APR-2003.                                       |
| PA                    | (GETH ) GENENTECH INC.                             |
| Query Match           | 20.5%; Score 102;                                  |

```
RESULT 987
ID ABM09231 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003073174-A1.
PD 17-APR-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003073174-A1.
PD 17-APR-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 10-APR-2003.
RESULT 988
ID ABO39271 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003068775-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003068775-A1.
PD 10-APR-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 27-FEB-2003.
RESULT 989
ID ABM75536 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003104545-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003104545-A1.
PD 05-JUN-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 05-JUN-2003.
RESULT 990
ID ABM25460 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003104541-A1.
PD 05-JUN-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003104541-A1.
PD 05-JUN-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 05-JUN-2003.
RESULT 991
ID ABM19970 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003104554-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003104554-A1.
PD 05-JUN-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 05-JUN-2003.
RESULT 992
ID ABO46876 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003049762-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003049762-A1.
PD 13-MAR-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 13-MAR-2003.
RESULT 993
ID ABO47181 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003049765-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003049765-A1.
PD 13-MAR-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 13-MAR-2003.
RESULT 994
ID ADA83319 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003049752-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003049752-A1.
PD 13-MAR-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 13-MAR-2003.
RESULT 995
ID ABR71612 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003032133-A1.
PD 13-FEB-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003032133-A1.
PD 13-FEB-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 13-FEB-2003.
RESULT 996
ID ABR72222 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003032136-A1.
PD 13-FEB-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003032136-A1.
PD 13-FEB-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 13-FEB-2003.
RESULT 997
ID ABR98561 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003036129-A1.
PD 20-FEB-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003036129-A1.
PD 20-FEB-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 27-FEB-2003.
RESULT 998
ID ABO06931 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003040053-A1.
PD 27-FEB-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003040053-A1.
PD 27-FEB-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 27-FEB-2003.
RESULT 999
ID ABR84884 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003040057-A1.
PD 27-FEB-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003040057-A1.
PD 27-FEB-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 27-FEB-2003.
RESULT 1000
ID ABR73442 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003054467-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003054467-A1.
PD 20-MAR-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 06-MAR-2003.
RESULT 1001
ID ABR76536 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003044932-A1.
PD 06-MAR-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003044932-A1.
PD 06-MAR-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 06-MAR-2003.
RESULT 1002
ID ABR73137 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003027270-A1.
PD 06-FEB-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003027270-A1.
PD 06-FEB-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 06-FEB-2003.
RESULT 1003
ID ABM18203 standard; protein; 259 AA.
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.
PN US2003054469-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003054469-A1.
PD 20-MAR-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 20-MAR-2003.
RESULT 1004
ID ABO20662 standard; protein; 259 AA.
DE Human secreted/transmembrane protein (PRO) #125.
PN US2003032126-A1.
PD 13-FEB-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003032126-A1.
PD 13-FEB-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 13-FEB-2003.
RESULT 1005
ID ABO25405 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003054463-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003054463-A1.
PD 20-MAR-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 20-MAR-2003.
RESULT 1006
ID ABO25710 standard; protein; 259 AA.
DE Human PRO polypeptide #125.
PN US2003054466-A1.
PD 20-MAR-2003.
Query Match
Best Local Similarity 20.5%; Score 102; DB 6; Length 259;
PN US2003054466-A1.
PD 20-MAR-2003.
Query Match
Best Local Similarity 31.5%; Pred. No. 0.0086;
PD 20-MAR-2003.
```

PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1007  
ID ABR94119 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059879-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1008  
ID ABR80026 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049738-A1.  
PD 13-MAR-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1009  
ID ABM11366 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064469-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1010  
ID ABO32973 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003064453-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1011  
ID ABO30679 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003064466-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1012  
ID ABO30984 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003064468-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1013  
ID ABM27290 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068760-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1014  
ID ABM30035 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068769-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1015  
ID ABM05571 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003045700-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.

Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1016  
ID ABM15636 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068698-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1017  
ID ABM08621 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068759-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1018  
ID ABO42321 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049748-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1019  
ID ABO38051 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068765-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1020  
ID ABO45961 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003049754-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1021  
ID ABM66764 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068688-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1022  
ID ADB20362 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003082767-A1.  
PD 01-MAY-2003.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1023  
ID ABM19665 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104552-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1024  
ID ABO49377 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049774-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 1025  
ID ABO49682 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049775-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1026  
ID ADA78614 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003073181-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1027  
ID ABR88239 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068720-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1028  
ID ABR26985 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068739-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1029  
ID ABO03382 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068763-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 6; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1030  
ID ABO39881 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068689-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1031  
ID ABO49987 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049776-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1032  
ID ABO50902 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049780-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1033  
ID ABO05358 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036126-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1034  
ID ABR74662 standard; protein; 259 AA.

DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003044924-A1.  
PD 06-MAR-2003.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1035  
ID ABO44455 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003044841-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1036  
ID ABR77141 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003044927-A1.  
PD 06-MAR-2003.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1037  
ID ABR17898 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040072-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1038  
ID ABR95949 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040073-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1039  
ID ABO21882 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054475-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1040  
ID ABO20052 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003032124-A1.  
PD 13-FEB-2003.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1041  
ID ABO24355 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003064467-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1042  
ID ABR86104 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049759-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1043  
ID ABR10756 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064455-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;



RESULT 1044  
ID ABM76755 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054465-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1045  
ID ABR89459 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073170-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1046  
ID ABM12586 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073176-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1047  
ID AEM05876 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068717-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1048  
ID ABO35001 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068728-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1049  
ID ABM03077 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068764-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1050  
ID ABM19055 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104550-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1051  
ID ABM19360 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104551-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1052  
ID ABO46571 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003049761-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1053  
ID ABO49072 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049757-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1054  
ID ABR69115 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003027273-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1055  
ID ABR89154 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036119-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1056  
ID ABR72527 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036120-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1057  
ID ABR74357 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036161-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1058  
ID ABO18625 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003044921-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1059  
ID ABR80331 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049739-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1060  
ID ABM01552 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059882-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1061  
ID ABM02162 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059884-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1062  
ID ABR87324 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068687-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1063  
ID ABM12891 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073186-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1064  
ID ABM30645 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064443-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1065  
ID ABM24545 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064444-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1066  
ID ABO29459 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068697-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1067  
ID ABO31289 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068710-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1068  
ID ABM14416 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068686-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1069  
ID ABM09841 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073178-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1070  
ID ABO39966 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068774-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1071  
ID ABM34731 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104538-A1.  
PD 05-JUN-2003.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1072

ID ABO51207 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049781-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1073  
ID ABO04033 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036158-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1074  
ID ABO10503 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003036151-A1.  
PD 20-FEB-2003.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1075  
ID ABR77746 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040067-A1.  
PD 27-FEB-2003.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1076  
ID ABR78956 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054456-A1.  
PD 20-MAR-2003.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1077  
ID ABO24050 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054482-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1078  
ID ABR93814 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054457-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1079  
ID ABM01857 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003059883-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1080  
ID ABM78280 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049764-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1081  
ID ABO33479 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003073129-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1082  
ID ABR90069 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003073177-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1083  
ID ABR27595 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064442-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1084  
ID ABR13196 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003064450-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1085  
ID ABR31899 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068731-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1086  
ID ABR1411 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068683-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1087  
ID ABR08316 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068754-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1088  
ID ABR040186 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068681-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1089  
ID ABR74621 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003096351-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1090  
ID ABR33816 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003096358-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1091  
ID ABR20275 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104556-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1092  
ID ABR048767 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049756-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1093  
ID ABR72832 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003036122-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1094  
ID ABR15474 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003036121-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1095  
ID ABR85189 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003040065-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1096  
ID ABR15169 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003044919-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1097  
ID ABR17304 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003040077-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1098  
ID ABR17593 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003044928-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1099  
ID ABR85494 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003049746-A1.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1100  
ID ABR7060 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003054464-A1.  
PA (GETH ) GENENTECH INC.

Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1101  
ID ABO28239 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003064459-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1102  
ID ABM23020 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN, US2003068757-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1103  
ID ABM30340 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068723-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1104  
ID ABM21800 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068741-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1105  
ID ABM21495 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068744-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1106  
ID ABM15026 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068766-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1107  
ID ABO41101 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068694-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1108  
ID ABO36831 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068715-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1109  
ID ABO37441 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003068726-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1110  
ID ABM75231 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003104544-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1111  
ID ABM33511 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003096357-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1112  
ID ABO46266 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003049760-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1113  
ID ADA82685 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003049755-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1114  
ID ABM31865 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068680-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1115  
ID ABM31255 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068762-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1116  
ID ADB85993 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003054472-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1117  
ID ABM32170 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068708-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1118  
ID ABM32475 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068713-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1119  
ID ABM31560 standard; protein; 259 AA.

DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068761-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1120  
ID ARM30950 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2003068771-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1121  
ID ADC1939 standard; protein; 259 AA.  
DE Human PRO polypeptide #21.  
PN US2003064925-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1122  
ID ADD05723 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PN US2003087376-A1.  
PD 08-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1123  
ID ADD70585 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003099625-A1.  
PD 29-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1124  
ID ADD39662 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003083462-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1125  
ID ADD70108 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003054406-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1126  
ID ADD38229 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003096955-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1127  
ID ADD39185 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003096954-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1128  
ID ADD38708 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003207399-A1.

PN US2003092061-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1129  
ID ADD40139 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003082627-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1130  
ID ADE50360 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003069179-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1131  
ID ADE19972 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003092883-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1132  
ID ADE49883 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003082626-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1133  
ID ADE21441 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003082628-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1134  
ID ADF29866 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003204053-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1135  
ID ADF5759 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003204054-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1136  
ID ADG02718 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003207397-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1137  
ID ADG01425 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003207399-A1.

PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1138  
ID ADF95600 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PD US2003207398-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1139  
ID ADG12415 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PD US2003207392-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1140  
ID ADH09075 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PD US2003207395-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1141  
ID ADH99263 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PD US2003065142-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1142  
ID ADL32856 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PD US2003207396-A1.  
PD 06-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1143  
ID ADM30390 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PD US2003073813-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1144  
ID ADN39361 standard; protein; 259 AA.  
DE Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:B45.  
PD WO2003042661-A2.  
PD 22-MAY-2003.  
PA (BOSB-) BOS BIOTECHNOLOGY INC.  
Query Match 20.5%; Score 102; DB 7; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1145  
ID ADE74387 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PD US2003211572-A1.  
PD 13-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1146  
ID ADE74999 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein (PRO) #125.  
PD US2003211574-A1.  
PD 13-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;

RESULT 1147  
ID ADE96443 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PD US2003195347-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1148  
ID ADF25754 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PD US2003199675-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1149  
ID ADF24653 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PD US2003198993-A1.  
PD 23-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1150  
ID ADF29389 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PD US2003203401-A1.  
PD 30-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1151  
ID ADE96920 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PD US2003195334-A1.  
PD 16-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1152  
ID ADF96212 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PD US2003215909-A1.  
PD 20-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1153  
ID ADG04483 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PD US2003215912-A1.  
PD 20-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1154  
ID ADG00643 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PD US2003215911-A1.  
PD 20-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1155  
ID ADG82899 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PD US2003215910-A1.  
PD 20-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1156  
ID ADH02958 standard; protein; 259 AA.

DE Human secreted/transmembrane protein PRO1316.  
PN US2003216562-A1.  
PD 20-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1157  
ID ADH03912 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003220471-A1.  
PD 27-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1158  
ID ADH03435 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2003224478-A1.  
PD 04-DEC-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1159  
ID ADH26180 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2003068770-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1160  
ID ADH33149 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2003068768-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1161  
ID ADH04389 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2004005626-A1.  
PD 08-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1162  
ID ADH61390 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2004014130-A1.  
PD 22-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1163  
ID ADJ54888 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2004023321-A1.  
PD 05-FEB-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1164  
ID ADJ64659 standard; protein; 259 AA.  
DE Human PRO polypeptide #125.  
PN US2004038337-A1.  
PD 26-FEB-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1165  
ID ADM31555 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2005163766-A1.

PN US2004048334-A1.  
PD 11-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1166  
ID ADM36602 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2004053358-A1.  
PD 18-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1167  
ID ADM40407 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2004048335-A1.  
PD 11-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1168  
ID ADL94589 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316.  
PN US2004073015-A1.  
PD 15-APR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1169  
ID ADO35295 standard; protein; 259 AA.  
DE Human Dkk family protein Dkk2.  
PN US2004014209-A1.  
PD 22-JAN-2004.  
PA (LASS/) LASSAR A B.  
PA (MERC/) MERCOLA M.  
PA (GUPT/) GUPTA R.  
PA (MARV/) MARVIN M.  
PA (SCHN/) SCHNEIDER V.  
PA (TZA/) TZAHOE E.  
PA (BROT/) BROTT B.  
PA (SOKO/) SOKOL S.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1170  
ID ADN38015 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2004091959-A1.  
PD 13-MAY-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 8; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1171  
ID AED44976 standard; protein; 259 AA.  
DE Human secreted/transmembrane protein PRO1316, SEQ:70.  
PN US2005181478-A1.  
PD 18-AUG-2005.  
PA (BAKE/) BAKER K P.  
PA (BOTS/) BOTSTEIN D.  
PA (DESN/) DESNOVERS L.  
PA (EATO/) EATON D L.  
PA (FERR/) FERRARA N.  
PA (FONG/) FONG S.  
PA (GAOW/) GAO W.  
PA (GODD/) GODDARD A.  
PA (GODO/) GODOWSKI P J.  
PA (GRIM/) GRIMALDI J C.  
Query Match 20.5%; Score 102; DB 9; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1172  
ID AED50245 standard; protein; 259 AA.  
DE Novel human secreted and transmembrane protein PRO1316.  
PN US2005163766-A1.



PD 28-JUL-2005.  
Query Match 20.5%; Score 102; DB 9; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1173  
ID AEG62937 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2006073544-A1.  
PD 06-APR-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1174  
ID AEG72760 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2006074226-A1.  
PD 06-APR-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1175  
ID AEG62325 standard; protein; 259 AA.  
DE Human secreted polypeptide PRO1316, SEQ ID NO:250.  
PN US2006073545-A1.  
PD 06-APR-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1176  
ID AEG88242 standard; protein; 259 AA.  
DE Human PRO protein amino acid sequence - SEQ ID 250.  
PN US2006074227-A1.  
PD 06-APR-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1177  
ID AEG17558 standard; protein; 259 AA.  
DE Human tumor overexpressed cDNA protein product PRO1316 SEQ ID NO: 250.  
PN US2006094864-A1.  
PD 04-MAY-2006.  
PA (GETH ) GENENTECH INC.  
Query Match 20.5%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1178  
ID AEI40730 standard; protein; 259 AA.  
DE Human dickkopf ligand Dkk-2.  
PN WO2006061717-A2.  
PD 15-JUN-2006.  
PA (NEUR-) NEURO THERAPEUTICS AB.  
Query Match 20.5%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1179  
ID AEL56587 standard; protein; 259 AA.  
DE Human dickkopf related protein-2 precursor, SEQ ID NO: 1050.  
PN US2006216722-A1.  
PD 28-SEP-2006.  
PA (BETS/) BETSHOLTZ C.  
PA (TRYG/) TRYGGVASON K.  
PA (TAKE/) TAKEMOTO M.  
PA (HELL/) HE L.  
PA (PATR/) PATRAKKAS J.  
Query Match 20.5%; Score 102; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0086;  
RESULT 1180  
ID AAB08880 standard; protein; 263 AA.  
DE Amino acid sequence of a human Dickkopf (Dkk)-2 protein.  
PN WO200052047-A2.  
PD 08-SEP-2000.  
PA (MILL-) MILLENNIUM PHARM INC.  
Query Match 20.5%; Score 102; DB 3; Length 263;  
Best Local Similarity 31.5%; Pred. No. 0.0088;  
RESULT 1181  
ID AAY92072 standard; protein; 259 AA.  
DE Murine DKR-2.  
PN WO200018914-A2.  
PD 06-APR-2000.  
PA (AMGE-) AMGEN INC.  
Query Match 20.3%; Score 101; DB 3; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.011;  
RESULT 1182  
ID AEL55689 standard; protein; 259 AA.  
DE Mouse dickkopf related protein-2 precursor, SEQ ID NO: 150.  
PN US2006216722-A1.  
PD 28-SEP-2006.  
PA (BETS/) BETSHOLTZ C.  
PA (TRYG/) TRYGGVASON K.  
PA (TAKE/) TAKEMOTO M.  
PA (HELL/) HE L.  
PA (PATR/) PATRAKKAS J.  
Query Match 20.3%; Score 101; DB 10; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.011;  
RESULT 1183  
ID AEI40729 standard; protein; 260 AA.  
DE Mouse dickkopf ligand Dkk-2.  
PN WO2006061717-A2.  
PD 15-JUN-2006.  
PA (NEUR-) NEURO THERAPEUTICS AB.  
Query Match 20.3%; Score 101; DB 10; Length 260;  
Best Local Similarity 31.5%; Pred. No. 0.011;  
RESULT 1184  
ID AEA38732 standard; protein; 272 AA.  
DE Mouse dickkopf-1 (Dkk-1) protein, SEQ ID NO: 22.  
PN WO2005049640-A2.  
PD 02-JUN-2005.  
PA (MERI ) MERCK & CO INC.  
Query Match 20.3%; Score 101; DB 9; Length 272;  
Best Local Similarity 33.8%; Pred. No. 0.012;  
RESULT 1185  
ID AEF80274 standard; protein; 272 AA.  
DE Mouse dickkopf-1 (Dkk-1) protein sequence.  
PN WO2006015373-A2.  
PD 09-FEB-2006.  
PA (AMGE-) AMGEN INC.  
Query Match 20.3%; Score 101; DB 10; Length 272;  
Best Local Similarity 33.8%; Pred. No. 0.012;  
RESULT 1186  
ID AEI40727 standard; protein; 272 AA.  
DE Mouse dickkopf ligand Dkk-1.  
PN WO2006061717-A2.  
PD 15-JUN-2006.  
PA (NEUR-) NEURO THERAPEUTICS AB.  
Query Match 20.3%; Score 101; DB 10; Length 272;  
Best Local Similarity 33.8%; Pred. No. 0.012;  
RESULT 1187  
ID ADY86168 standard; protein; 83 AA.  
DE Human dickkopf-3 protein, SEQ ID NO:6.  
PN US2005064522-A1.  
PD 24-MAR-2005.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 9; Length 83;  
Best Local Similarity 37.7%; Pred. No. 0.0038;  
RESULT 1188  
ID ADB64042 standard; protein; 215 AA.  
DE Human protein encoded by clone BRAMY20227860.  
PN EPI308459-A2.  
PD 07-MAY-2003.  
PA (HELI-) HELIX RES INST.  
PA (REAS-) RES ASSOC BIOTECHNOLOGY.  
Query Match 20.2%; Score 100.5; DB 7; Length 215;  
Best Local Similarity 37.7%; Pred. No. 0.01;  
RESULT 1189  
ID AAW73016 standard; protein; 350 AA.  
DE Human cysteine-rich secreted protein CRSP-1.  
PN WO9846755-A1.  
PD 22-OCT-1998.  
PA (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.

Query Match 20.2%; Score 100.5; DB 2; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1190  
ID AAW62595 standard; protein; 350 AA.  
DE Homo sapiens cerebellum and embryo specific protein.  
PN WO9827932-A2.  
PD 02-JUL-1998.  
PA (HUMA-) HUMAN GENOME SCI INC.  
Query Match 20.2%; Score 100.5; DB 2; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1191  
ID AAY13384 standard; protein; 350 AA.  
DE Amino acid sequence of protein PRO295.  
PN WO9914328-A2.  
PD 25-MAR-1999.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 2; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1192  
ID AAY92070 standard; protein; 350 AA.  
DE Human DKR-3.  
PN WO200018914-A2.  
PD 06-APR-2000.  
PA (AMGE-) AMGEN INC.  
Query Match 20.2%; Score 100.5; DB 3; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1193  
ID AAB08874 standard; protein; 350 AA.  
DE Amino acid sequence of a human Dickkopf (Dkk)-3 protein.  
PN WO200052047-A2.  
PD 08-SEP-2000.  
PA (MILL-) MILLENNIUM PHARM INC.  
Query Match 20.2%; Score 100.5; DB 3; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1194  
ID ADC78556 standard; protein; 350 AA.  
DE Human PRO295 protein.  
PN WO200015796-A2.  
PD 23-MAR-2000.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 3; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1195  
ID AAB80252 standard; protein; 350 AA.  
DE Human PRO295 protein.  
PN WO200104311-A1.  
PD 18-JAN-2001.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 4; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1196  
ID AAG80271 standard; protein; 350 AA.  
DE Human DKK-3 protein.  
PN WO200163295-A2.  
PD 30-AUG-2001.  
PA (OXFO-) OXFORD GLYCOSCIENCES UK LTD.  
Query Match 20.2%; Score 100.5; DB 4; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1197  
ID AAB87529 standard; protein; 350 AA.  
DE Human PRO295.  
PN WO200116318-A2.  
PD 08-MAR-2001.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 4; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1198  
ID AAG62468 standard; protein; 350 AA.  
DE Human reduced expression in immortalised cells protein.  
PN WO200138528-A1.  
PD 31-MAY-2001.  
PA (HISM ) HISAMITSU PHARM CO LTD.  
Query Match 20.2%; Score 100.5; DB 4; Length 350;

Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1199  
ID ABB90735 standard; protein; 350 AA.  
DE Human Tumour Endothelial Marker polypeptide SEQ ID NO 202.  
PN WO200210217-A2.  
PD 07-FEB-2002.  
PA (UYJO ) UNIV JOHNS HOPKINS.  
Query Match 20.2%; Score 100.5; DB 5; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1200  
ID ABG95854 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2002119130-A1.  
PD 29-AUG-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 5; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1201  
ID ABB84841 standard; protein; 350 AA.  
DE Human PRO295 protein sequence SEQ ID NO:50.  
PN WO200200690-A2.  
PD 03-JAN-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 5; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1202  
ID ABB95447 standard; protein; 350 AA.  
DE Human angiogenesis related protein PRO295 SEQ ID NO: 50.  
PN WO200208284-A2.  
PD 31-JAN-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 5; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1203  
ID ABU71630 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.  
PN US2002146709-A1.  
PD 10-OCT-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1204  
ID ABU71485 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.  
PN US2002192659-A1.  
PD 19-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1205  
ID ABU54442 standard; protein; 350 AA.  
DE Human tumour endothelial marker TEM 4.  
PN WO200283874-A2.  
PD 24-OCT-2002.  
PA (UYJO ) UNIV JOHNS HOPKINS.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1206

ID ABU71931 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2003003530-A1.  
PD 02-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1207  
ID ABO01814 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2002197671-A1.  
PD 26-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1208  
ID ABU90879 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003018173-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1209  
ID ABO33938 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2003009013-A1.  
PD 09-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1210  
ID ABU71955 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003018183-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1211  
ID ABU55915 standard; protein; 350 AA.  
DE Human protein DKK3.  
PN WO200277204-A2.  
PD 03-OCT-2002.  
PA (AXOR-) AXORDIA LTD.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1212  
ID ABU54387 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2002132240-A1.  
PD 19-SEP-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1213  
ID ABO47402 standard; protein; 350 AA.  
DE Human secreted/transmembrane polypeptide PRO295.  
PN US2003044839-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1214  
ID ABU71509 standard; protein; 350 AA.  
DE Human secreted polypeptide PRO295.  
PN US2003013855-A1.  
PD 16-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1215  
ID AAE34069 standard; protein; 350 AA.

DE DKK 3 protein.  
PN WO200290992-A2.  
PD 14-NOV-2002.  
PA (AXOR-) AXORDIA LTD.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1216  
ID ABU72290 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2002182638-A1.  
PD 05-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1217  
ID ABU90963 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003018168-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1218  
ID ABO27284 standard; protein; 350 AA.  
DE Human secreted/transmembrane polypeptide PRO295.  
PN US2003009012-A1.  
PD 09-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1219  
ID ABU64539 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #43.  
PN US2002160374-A1.  
PD 31-OCT-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1220  
ID ABU67385 standard; protein; 350 AA.  
DE Human secreted protein PRO295.  
PN US2003023054-A1.  
PD 30-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1221  
ID ABU92479 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2003045684-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1222  
ID ABO14905 standard; protein; 350 AA.  
DE Human secreted/transmembrane polypeptide PRO295.  
PN US2003036060-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1223  
ID ABU81149 standard; protein; 350 AA.  
DE Human secreted polypeptide PRO295.  
PN US2003027212-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1224  
ID ABO53264 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.

PD US2003027986-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1225  
ID ABU98266 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2002183493-A1.  
PD 05-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1226  
ID ABU98271 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003036634-A1.  
PD 20-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1227  
ID ABU82478 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2002183494-A1.  
PD 05-DEC-2002.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1228  
ID ABU69662 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003017463-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1229  
ID ABU96442 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003027993-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1230  
ID ABU72112 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003023042-A1.  
PD 30-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1231  
ID ABO14844 standard; protein; 350 AA.  
DE Human secreted / transmembrane polypeptide PRO295.  
PN US2003027143-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1232  
ID ADB29441 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003092002-A1.  
PD 15-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1233  
ID ADB17065 standard; protein; 350 AA.  
DE Human transmembrane PRO polypeptide (SeqID 8).  
PN US2003050462-A1.

PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1234  
ID ABO44242 standard; protein; 350 AA.  
DE Human secreted/transmembrane polypeptide PRO 295.  
PN US2003018172-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1235  
ID ADA18297 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003039971-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1236  
ID ABO32796 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein PRO295.  
PN US2003045693-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1237  
ID ADA19870 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003069394-A1.  
PD 10-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1238  
ID ADB17253 standard; protein; 350 AA.  
DE Human transmembrane PRO polypeptide (SeqID 8).  
PN US2003050465-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1239  
ID ABO34856 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.  
PN US2003044793-A1.  
PD 06-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1240  
ID ADA16272 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003049621-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1241  
ID ADA20042 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003055222-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1242  
ID ABO34170 standard; protein; 350 AA.  
DE Human secreted/transmembrane polypeptide PRO 295.  
PN US2003060601-A1.  
PD 27-MAR-2003.

PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1243  
ID ADA42417 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003054401-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1244  
ID ABO17534 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.  
PN US2003064367-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1245  
ID ADA00339 standard; protein; 350 AA.  
DE Human secreted/transmembrane polypeptide PRO 295.  
PN US2003027992-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 6; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1246  
ID ADA16696 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003039969-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1247  
ID ADA13125 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003049622-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1248  
ID ADA41993 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003082540-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1249  
ID ADA17340 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003017498-A1.  
PD 23-JAN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1250  
ID ADA42843 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003054351-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1251  
ID ABO17595 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.  
PN US2003064923-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.

Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1252  
ID ADB85981 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003049735-A1.  
PD 13-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1253  
ID ADB77762 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003077654-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1254  
ID ADB74898 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003082542-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1255  
ID ADB68260 standard; protein; 350 AA.  
DE Human PRO295 protein.  
PN US2003065161-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1256  
ID ADB68067 standard; protein; 350 AA.  
DE Human PRO295 protein.  
PN US2003060600-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1257  
ID ADB90884 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003083473-A1.  
PD 01-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1258  
ID ADC28544 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003059772-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1259  
ID ADC39744 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003059828-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1260  
ID ADC40258 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003059829-A1.  
PD 27-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1261  
ID ABO17595 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.  
PN US2003064923-A1.  
PD 03-APR-2003.  
PA (GETH ) GENENTECH INC.

```
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1261
ID ADC13082 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003036061-A1.
PD 20-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1262
ID ADC34382 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003036094-A1.
PD 20-FEB-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1263
ID ADC29437 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003049676-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1264
ID ADC28968 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003049677-A1.
PD 13-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1265
ID ADC40853 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003054400-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1266
ID ADC19510 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003054441-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1267
ID ADC06964 standard; protein; 350 AA.
DE Human PRO295 protein.
PN US2003060602-A1.
PD 27-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1268
ID ADC17143 standard; protein; 350 AA.
DE Mammalian PRO polypeptide (Seqid 8).
PN US2003065143-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1269
ID ADC33958 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003073077-A1.
PD 17-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1270
ID ADC13028 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003073079-A1.
PD 17-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1271
ID ADC14841 standard; protein; 350 AA.
DE Novel human secreted and transmembrane protein PRO295.
PN US2003073208-A1.
PD 17-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1272
ID ADC52336 standard; protein; 350 AA.
DE Novel human secreted and transmembrane protein PRO295.
PN US2003138882-A1.
PD 24-JUL-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1273
ID ADC12480 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003082541-A1.
PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1274
ID ADD10339 standard; protein; 350 AA.
DE Human secreted/transmembrane PRO polypeptide #25.
PN US2003105011-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1275
ID ADD05035 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003104469-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1276
ID ADD11299 standard; protein; 350 AA.
DE Human secreted/transmembrane PRO polypeptide #25.
PN US2003105013-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1277
ID ADD04041 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003104381-A1.
PD 05-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1278
ID ADD03617 standard; protein; 350 AA.
DE Human secreted/transmembrane protein, #45.
PN US2003108983-A1.
PD 12-JUN-2003.
PA (GETH) GENENTECH INC.
Query Match 20.2%; Score 100.5; DB 7; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1279
```

ID ADD37092 standard; protein; 350 AA.  
DE Human secreted/transmembrane PRO polypeptide #25.  
PN US2003105012-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1280  
ID ADD36012 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003105298-A1.  
PD 05-JUN-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1281  
ID ADE34869 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003077583-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1282  
ID ADG01013 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003078387-A1.  
PD 24-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1283  
ID ADG08566 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180793-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1284  
ID ADF95187 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180795-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1285  
ID ADH24040 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180918-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1286  
ID ADH34066 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180858-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1287  
ID ADH29899 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180859-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1288  
ID ADH23870 standard; protein; 350 AA.

DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180919-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1289  
ID ADG85274 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180904-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1290  
ID ADH24550 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180907-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1291  
ID ADH37406 standard; protein; 350 AA.  
DE Human secreted and transmembrane protein PRO295.  
PN US2003181646-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1292  
ID ADH01995 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003180837-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1293  
ID ADH37576 standard; protein; 350 AA.  
DE Human secreted and transmembrane protein PRO295.  
PN US2003181648-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1294  
ID ADG85614 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180905-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1295  
ID ADH24210 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180914-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1296  
ID ADH38504 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181643-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1297  
ID ADG83625 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.



PD US2003180794-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1298  
ID ADH29433 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180860-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1299  
ID ADH27549 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180906-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1300  
ID ADH37746 standard; protein; 350 AA.  
DE Human secreted and transmembrane protein PRO295.  
PN US2003181647-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1301  
ID ADH37923 standard; protein; 350 AA.  
DE Human secreted and transmembrane protein PRO295.  
PN US2003181649-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1302  
ID ADH57343 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180920-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1303  
ID ADH59352 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003039972-A1.  
PD 27-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1304  
ID ADH53485 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181636-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1305  
ID ADH53655 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181641-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1306  
ID ADH51991 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181638-A1.

PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1307  
ID ADH49846 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181639-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1308  
ID ADI25356 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181696-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1309  
ID ADH90149 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181698-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1310  
ID ADI25526 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181669-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1311  
ID ADH97700 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181672-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1312  
ID ADI38131 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003054352-A1.  
PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1313  
ID ADI03548 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181656-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1314  
ID ADI11905 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181686-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1315  
ID ADH89979 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181697-A1.  
PD 25-SEP-2003.

PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1316  
ID ADH98380 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181707-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1317  
ID ADI11055 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181682-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1318  
ID ADI11565 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181684-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1319  
ID ADH98210 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181709-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1320  
ID ADH98550 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181708-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1321  
ID ADH98040 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181673-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1322  
ID ADI05028 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180848-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1323  
ID ADI03378 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181654-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1324  
ID ADI04773 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181657-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.

Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1325  
ID ADH78227 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181668-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1326  
ID ADI19571 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181676-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1327  
ID ADH90319 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181699-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1328  
ID ADI03038 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181653-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1329  
ID ADH77887 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181666-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1330  
ID ADH97870 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181674-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1331  
ID ADI01255 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003190669-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1332  
ID ADI01950 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181652-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1333  
ID ADI03208 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181655-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;

Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1334  
ID ADI11395 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181679-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1335  
ID ADI02297 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181650-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1336  
ID ADI11735 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181685-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1337  
ID ADI05372 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003190716-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1338  
ID ADH79444 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003191290-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1339  
ID ADI19401 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181675-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1340  
ID ADI05202 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181677-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1341  
ID ADH79614 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003191288-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1342  
ID ADI01440 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181678-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1343  
ID ADI01610 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181679-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1344  
ID ADI01780 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181680-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1345  
ID ADH79784 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003191289-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1346  
ID ADI04602 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003171550-A1.  
PD 11-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1347  
ID ADI02738 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181651-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1348  
ID ADH78057 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181667-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1349  
ID ADI25696 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181670-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1350  
ID ADI25866 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181671-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1351  
ID ADK65378 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003073821-A1.  
PD 17-APR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1352  
ID ADI01440 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181678-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 7; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;

ID ADH98720 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003191284-A1.  
 PD 09-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 7; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1353  
 ID ADH79961 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003191287-A1.  
 PD 09-OCT-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 7; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1354  
 ID ADJ26399 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003054349-A1.  
 PD 20-MAR-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 7; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1355  
 ID ADL93692 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003040013-A1.  
 PD 27-FEB-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 7; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1356  
 ID ADP65205 standard; protein; 350 AA.  
 DE Human dickkopf homologue 3, RIG-like 7-1, RIG-like 5-6.  
 PN WO2003072827-A1.  
 PD 04-SEP-2003.  
 PA (CHIL-) CHILDREN'S HOSPITAL MEDICAL CENT.  
 Query Match 20.2%; Score 100.5; DB 7; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1357  
 ID ADC52146 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003130483-A1.  
 PD 10-JUL-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1358  
 ID ADE79314 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003135025-A1.  
 PD 17-JUL-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1359  
 ID ADE79738 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003130489-A1.  
 PD 10-JUL-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1360  
 ID ADE73414 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003129592-A1.  
 PD 10-JUL-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1361  
 ID ADE41300 standard; protein; 350 AA.

DE Human secreted/transmembrane PRO polypeptide #25.  
 PN US2003100497-A1.  
 PD 29-MAY-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1362  
 ID ADE73949 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003148370-A1.  
 PD 07-AUG-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1363  
 ID ADE99503 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003211576-A1.  
 PD 13-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1364  
 ID ADE98622 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003211569-A1.  
 PD 13-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1365  
 ID ADE99049 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003211568-A1.  
 PD 13-NOV-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1366  
 ID ADG40519 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003225253-A1.  
 PD 04-DEC-2003.  
 PA (DESN/) DESNOYERS L.  
 PA (GODD/) GODDARD A.  
 PA (GODO/) GODOWSKI P J.  
 PA (GURN/) GURNEY A L.  
 PA (MATH/) MATHER J P.  
 PA (WILL/) WILLIAMS P M.  
 PA (WOOD/) WOOD W I.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1367  
 ID ADF73913 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003180312-A1.  
 PD 25-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1368  
 ID ADF73489 standard; protein; 350 AA.  
 DE Human secreted/transmembrane protein, #45.  
 PN US2003166051-A1.  
 PD 04-SEP-2003.  
 PA (GETH ) GENENTECH INC.  
 Query Match 20.2%; Score 100.5; DB 8; Length 350;  
 Best Local Similarity 37.7%; Pred. No. 0.017;  
 RESULT 1369  
 ID ADH06578 standard; protein; 350 AA.  
 DE Novel human secreted and transmembrane protein PRO295.  
 PN US2003180852-A1.  
 PD 25-SEP-2003.

PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1370  
ID ADH06408 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180853-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1371  
ID ADG68829 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180855-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1372  
ID ADH27719 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180912-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1373  
ID ADH25060 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180913-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1374  
ID ADH33692 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181645-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1375  
ID ADG92332 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003027145-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1376  
ID ADH02335 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003180839-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1377  
ID ADH07942 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180845-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1378  
ID ADG69339 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180846-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.

Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1379  
ID ADH39160 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180917-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1380  
ID ADG92759 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003027146-A1.  
PD 06-FEB-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1381  
ID ADG83900 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003180842-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1382  
ID ADG85444 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003166848-A1.  
PD 04-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1383  
ID ADH06238 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180854-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1384  
ID ADH30068 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180856-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1385  
ID ADH24380 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180910-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1386  
ID ADG69509 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180844-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1387  
ID ADH07772 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180851-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;

Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1388  
ID ADG85784 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180861-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1389  
ID ADH39330 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180916-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1390  
ID ADH33522 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181637-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1391  
ID ADH33862 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181644-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1392  
ID ADH01072 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003180838-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1393  
ID ADG69679 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180843-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1394  
ID ADH02165 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003180841-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1395  
ID ADG69169 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180847-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1396  
ID ADG85954 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180862-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1397  
ID ADH24890 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180909-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1398  
ID ADH39507 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180915-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1399  
ID ADH02505 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003180840-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1400  
ID ADG68999 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180849-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1401  
ID ADH07602 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180850-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1402  
ID ADG86124 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180863-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1403  
ID ADH24720 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180908-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1404  
ID ADH25768 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180911-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1405  
ID ADH38334 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180922-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1406  
ID ADH38334 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180922-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;

ID ADH20548 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2004005553-A1.  
PD 08-JAN-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1407  
ID ADH57173 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181642-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1408  
ID ADH43483 standard; protein; 350 AA.  
DE Human PRO polypeptide #25.  
PN US2003224984-A1.  
PD 04-DEC-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1409  
ID ADH07403 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2004006211-A1.  
PD 08-JAN-2004.  
PA (DESN/) DESNOYERS L.  
PA (GODD/) GODDARD A.  
PA (GODO/) GODOWSKI P J.  
PA (GURN/) GURNEY A L.  
PA (MATH/) MATHIER J P.  
PA (WILL/) WILLIAMS P M.  
PA (WOOD/) WOOD W I.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1410  
ID ADH52161 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180921-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1411  
ID ADH59948 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003215904-A1.  
PD 20-NOV-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1412  
ID ADH49527 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003180857-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1413  
ID ADH06976 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2004005665-A1.  
PD 08-JAN-2004.  
PA (DESN/) DESNOYERS L.  
PA (GODD/) GODDARD A.  
PA (GODO/) GODOWSKI P J.  
PA (GURN/) GURNEY A L.  
PA (MATH/) MATHIER J P.  
PA (WILL/) WILLIAMS P M.  
PA (WOOD/) WOOD W I.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1414  
ID ADH90489 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181700-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1415  
ID ADI11225 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003181683-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1416  
ID ADI18718 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003152999-A1.  
PD 14-AUG-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1417  
ID ADH98890 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003190698-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1418  
ID ADI65438 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003148419-A1.  
PD 07-AUG-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1419  
ID ADI02120 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003190699-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1420  
ID ADH90659 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181701-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1421  
ID ADI37697 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003096340-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1422  
ID ADH97497 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003190610-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;



Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1423  
ID ADI5865 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003148371-A1.  
PD 07-AUG-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1424  
ID ADH60608 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2004023331-A1.  
PD 05-FEB-2004.  
PA (DESN/) DESNOYERS L.  
PA (GODD/) GODDARD A.  
PA (GODO/) GODOWSKI P J.  
PA (GURN/) GURNEY A L.  
PA (MATH/) MATHER J P.  
PA (WILL/) WILLIAMS P M.  
PA (WOOD/) WOOD W I.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1425  
ID ADJ9865 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003187238-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1426  
ID ADL08858 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003186358-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1427  
ID ADJ98534 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003187197-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1428  
ID ADJ98704 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003187228-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1429  
ID ADH78863 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181703-A1.  
PD 23-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1430  
ID ADJ99097 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003186408-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1431  
ID ADJ99267 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003187196-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1432  
ID ADJ98885 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003187242-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1433  
ID ADH79033 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003181702-A1.  
PD 25-SEP-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1434  
ID ADK00893 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2003186407-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1435  
ID ADK14414 standard; protein; 350 AA.  
DE Novel human secreted and transmembrane protein PRO295.  
PN US2003187229-A1.  
PD 02-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1436  
ID ADM25199 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003096233-A1.  
PD 22-MAY-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1437  
ID ADM29949 standard; protein; 350 AA.  
DE Human secreted/transmembrane protein, #45.  
PN US2003190611-A1.  
PD 09-OCT-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1438  
ID ADK82828 standard; protein; 350 AA.  
DE Human PRO polypeptide #25.  
PN US2004043927-A1.  
PD 04-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1439  
ID ADM80863 standard; protein; 350 AA.  
DE Human PRO polypeptide #4.  
PN US2004058411-A1.  
PD 25-MAR-2004.  
PA (GETH ) GENENTECH INC.  
Query Match 20.2%; Score 100.5; DB 8; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.017;  
RESULT 1440  
ID ADO06271 standard; protein; 350 AA.  
DE Human PRO polypeptide #41.



```
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1451
ID AEF68232 standard; protein; 350 AA.
DE Human Dickkopf homolog 3 (DKK-3) protein.
PN WO2006010534-A1.
PD 02-FEB-2006.
PA (HOFF) HOFFMANN LA ROCHE & CO AG F.
Query Match 20.2%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1452
ID AEF43561 standard; protein; 350 AA.
DE PRO295 protein sequence, SEQ ID 8.
PN US2006099657-A1.
PD 11-MAY-2006.
PA (EATO/) EATON D L.
PA (FILV/) FILVAROFF E.
PA (GER/) GERRITSEN M E.
PA (GODD/) GODDARD A.
PA (GODO/) GODOWSKI P J.
PA (GRIM/) GRIMALDI J C.
PA (GURN/) GURNEY A L.
PA (WATA/) WATANABE C K.
PA (WOOD/) WOOD W I.
Query Match 20.2%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1453
ID AEJ11886 standard; protein; 350 AA.
DE Novel human secreted and transmembrane protein PRO295.
PN US2006160186-A1.
PD 20-JUL-2006.
PA (EATO/) EATON D L.
PA (FILV/) FILVAROFF E.
PA (GER/) GERRITSEN M E.
PA (GODD/) GODDARD A.
PA (GODO/) GODOWSKI P J.
PA (GRIM/) GRIMALDI J C.
PA (GURN/) GURNEY A L.
PA (WATA/) WATANABE C K.
PA (WOOD/) WOOD W I.
Query Match 20.2%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1454
ID AEJ49625 standard; protein; 350 AA.
DE Heterologous polypeptide HG1018473P1.
PN WO2006081430-A2.
PD 03-AUG-2006.
PA (FIVE-) FIVE PRIME THERAPEUTICS INC.
Query Match 20.2%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1455
ID AEJ93983 standard; protein; 350 AA.
DE Benign prostatic hyperplasia-related protein, DKK3.
PN WO2006083657-A2.
PD 10-AUG-2006.
PA (BAYU) BAYLOR COLLEGE MEDICINE.
Query Match 20.2%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1456
ID AEL75467 standard; protein; 350 AA.
DE Human dickkopf homolog 3, SEQ ID NO: 35.
PN KR2005092659-A.
PD 22-SEP-2005.
PA (UYKY-) UNIV KYUNGPOOK NAT IND ACADEMIC COOP.
Query Match 20.2%; Score 100.5; DB 10; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.017;
RESULT 1457
ID AAW73021 standard; protein; 349 AA.
DE Mouse cysteine-rich secreted protein-1.
PN WO9846755-A1.
PD 22-OCT-1998.
PA (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.
Query Match 19.8%; Score 98.5; DB 2; Length 349;
Best Local Similarity 37.7%; Pred. No. 0.029;

RESULT 1458
ID AAY92069 standard; protein; 349 AA.
DE Murine DKR-3.
PN WO200018914-A2.
PD 06-APR-2000.
PA (AMGE-) AMGEN INC.
Query Match 19.8%; Score 98.5; DB 3; Length 349;
Best Local Similarity 37.7%; Pred. No. 0.029;
RESULT 1459
ID AAB08879 standard; protein; 349 AA.
DE A murine Dickkopf (Dkk)-3 protein.
PN WO200052047-A2.
PD 08-SEP-2000.
PA (MILL-) MILLENNIUM PHARM INC.
Query Match 19.8%; Score 98.5; DB 3; Length 349;
Best Local Similarity 37.7%; Pred. No. 0.029;
RESULT 1460
ID AEF68233 standard; protein; 349 AA.
DE Murine Dickkopf homolog 3 (DKK-3) protein.
PN WO2006010534-A1.
PD 02-FEB-2006.
PA (HOFF) HOFFMANN LA ROCHE & CO AG F.
Query Match 19.8%; Score 98.5; DB 10; Length 349;
Best Local Similarity 37.7%; Pred. No. 0.029;
RESULT 1461
ID ADE82539 standard; protein; 84 AA.
DE Antibody that binds to DKK #6.
PN WO200292015-A2.
PD 21-NOV-2002.
PA (GENO-) GENOME THERAPEUTICS CORP.
PA (AMHP) WYETH.
Query Match 19.5%; Score 97; DB 7; Length 84;
Best Local Similarity 32.3%; Pred. No. 0.0094;
RESULT 1462
ID ADE82541 standard; protein; 107 AA.
DE Antibody that binds to DKK #8.
PN WO200292015-A2.
PD 21-NOV-2002.
PA (GENO-) GENOME THERAPEUTICS CORP.
PA (AMHP) WYETH.
Query Match 19.5%; Score 97; DB 7; Length 107;
Best Local Similarity 32.3%; Pred. No. 0.012;
RESULT 1463
ID ADU66981 standard; protein; 108 AA.
DE Human DKK-1 LRP-6 binding domain.
PN US2004235166-A1.
PD 25-NOV-2004.
PA (PROCK/) PROCKOP D.
PA (SEKI/) SEKIYA I.
PA (GREG/) GREGORY C.
PA (SPRE/) SPEES J.
PA (SMIT/) SMITH J.
PA (POCH/) POCHAMPALLY R.
Query Match 19.5%; Score 97; DB 8; Length 108;
Best Local Similarity 32.3%; Pred. No. 0.012;
RESULT 1464
ID ADZ51669 standard; protein; 108 AA.
DE Dickkopf-1 LDL receptor-related protein 6 binding site.
PN US2005084494-A1.
PD 21-APR-2005.
PA (PROCK/) PROCKOP D.
PA (GREG/) GREGORY C.
PA (GUNN/) GUNN W.
Query Match 19.5%; Score 97; DB 9; Length 108;
Best Local Similarity 32.3%; Pred. No. 0.012;
RESULT 1465
ID ADE82538 standard; protein; 128 AA.
DE Antibody that binds to DKK #5.
PN WO200292015-A2.
PD 21-NOV-2002.
PA (GENO-) GENOME THERAPEUTICS CORP.
PA (AMHP) WYETH.
Query Match 19.5%; Score 97; DB 7; Length 128;
```

Best Local Similarity 32.3%; Pred. No. 0.015;  
RESULT 1466  
ID ADE82540 standard; protein; 149 AA.  
DE Antibody that binds to DKK #7.  
PN WO200292015-A2.  
PD 21-NOV-2002.  
PA (GENO-) GENOME THERAPEUTICS CORP.  
PA (AMHP) WYETH.  
Query Match 19.5%; Score 97; DB 7; Length 149;  
Best Local Similarity 32.3%; Pred. No. 0.017;  
RESULT 1467  
ID ADB99065 standard; protein; 151 AA.  
DE LRP5 constrained peptide OST264.  
PN WO200292000-A2.  
PD 21-NOV-2002.  
PA (GENO-) GENOME THERAPEUTICS CORP.  
PA (AMHP) WYETH.  
Query Match 19.5%; Score 97; DB 7; Length 151;  
Best Local Similarity 32.3%; Pred. No. 0.017;  
RESULT 1468  
ID ADE82633 standard; protein; 151 AA.  
DE LRP5 peptide aptamer #10.  
PN WO200292015-A2.  
PD 21-NOV-2002.  
PA (GENO-) GENOME THERAPEUTICS CORP.  
PA (AMHP) WYETH.  
Query Match 19.5%; Score 97; DB 7; Length 151;  
Best Local Similarity 32.3%; Pred. No. 0.017;  
RESULT 1469  
ID ADE82537 standard; protein; 170 AA.  
DE Antibody that binds to DKK #4.  
PN WO200292015-A2.  
PD 21-NOV-2002.  
PA (GENO-) GENOME THERAPEUTICS CORP.  
PA (AMHP) WYETH.  
Query Match 19.5%; Score 97; DB 7; Length 170;  
Best Local Similarity 32.3%; Pred. No. 0.02;  
RESULT 1470  
ID ADB99066 standard; protein; 172 AA.  
DE LRP5 constrained peptide OST265.  
PN WO200292000-A2.  
PD 21-NOV-2002.  
PA (GENO-) GENOME THERAPEUTICS CORP.  
PA (AMHP) WYETH.  
Query Match 19.5%; Score 97; DB 7; Length 172;  
Best Local Similarity 32.3%; Pred. No. 0.02;  
RESULT 1471  
ID ADE82634 standard; protein; 172 AA.  
DE LRP5 peptide aptamer #11.  
PN WO200292015-A2.  
PD 21-NOV-2002.  
PA (GENO-) GENOME THERAPEUTICS CORP.  
PA (AMHP) WYETH.  
Query Match 19.5%; Score 97; DB 7; Length 172;  
Best Local Similarity 32.3%; Pred. No. 0.02;  
RESULT 1472  
ID ADO35296 standard; protein; 180 AA.  
DE Human Dkl1 carboxy terminal cysteine rich region.  
PN US2004014209-A1.  
PD 22-JAN-2004.  
PA (LASS/) LASSAR A B.  
PA (MERC/) MERCOLA M.  
PA (GUPT/) GUPTA R.  
PA (MARV/) MARVIN M.  
PA (SCHN/) SCHNEIDER V.  
PA (TZAHA/) TZAHAOR E.  
PA (BROT/) BROTT B.  
PA (SOKO/) SOKOL S.  
Query Match 19.5%; Score 97; DB 8; Length 180;  
Best Local Similarity 32.3%; Pred. No. 0.021;  
RESULT 1473  
ID ADE82535 standard; protein; 212 AA.  
DE Antibody that binds to DKK #2.  
PN WO200292015-A2.  
PD 21-NOV-2002.  
PA (GENO-) GENOME THERAPEUTICS CORP.  
PA (AMHP) WYETH.  
Query Match 19.5%; Score 97; DB 7; Length 212;  
Best Local Similarity 32.3%; Pred. No. 0.025;  
RESULT 1474  
ID ADB82534 standard; protein; 233 AA.  
DE Antibody that binds to DKK #1.  
PN WO200292015-A2.  
PD 21-NOV-2002.  
PA (GENO-) GENOME THERAPEUTICS CORP.  
PA (AMHP) WYETH.  
Query Match 19.5%; Score 97; DB 7; Length 233;  
Best Local Similarity 32.3%; Pred. No. 0.027;  
RESULT 1475  
ID AEA38731 standard; protein; 265 AA.  
DE Human dickkopf-1 (Dkk-1) protein, SEQ ID NO: 21 #1.  
PN WO2005049640-A2.  
PD 02-JUN-2005.  
PA (MERI) MERCK & CO INC.  
Query Match 19.5%; Score 97; DB 9; Length 265;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1476  
ID AAW73018 standard; protein; 266 AA.  
DE Human cyteine-rich secreted protein CRSP-3.  
PN WO9846755-A1.  
PD 22-OCT-1998.  
PA (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.  
Query Match 19.5%; Score 97; DB 2; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1477  
ID AAY41757 standard; protein; 266 AA.  
DE Human PRO1008 protein sequence.  
PN WO9946281-A2.  
PD 16-SEP-1999.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 2; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1478  
ID AAY92071 standard; protein; 266 AA.  
DE Human DKK-1.  
PN WO200018914-A2.  
PD 06-APR-2000.  
PA (AMGE-) AMGEN INC.  
Query Match 19.5%; Score 97; DB 3; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1479  
ID AAB44313 standard; protein; 266 AA.  
DE Human PRO1008 (UNQ492) protein sequence SEQ ID NO:456.  
PN WO200053756-A2.  
PD 14-SEP-2000.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 3; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1480  
ID AAB08876 standard; protein; 266 AA.  
DE Amino acid sequence of a human Dickkopf (Dkk)-1 protein.  
PN WO200052047-A2.  
PD 08-SEP-2000.  
PA (MILL-) MILLENNIUM PHARM INC.  
Query Match 19.5%; Score 97; DB 3; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1481  
ID AAU12385 standard; protein; 266 AA.  
DE Human PRO1008 polypeptide sequence.  
PN WO200140466-A2.  
PD 07-JUN-2001.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 4; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1482  
ID AAM78517 standard; protein; 266 AA.

DE Human protein SEQ ID NO 1179.  
PN WO200157190-A2.  
PD 09-AUG-2001.  
PA (HISE-) HYSEQ INC.  
Query Match 19.5%; Score 97; DB 4; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1483  
ID ABO17829 standard; protein; 266 AA.  
DE Novel human secreted and transmembrane protein PRO1008.  
PN US2003032156-A1.  
PD 13-FEB-2003.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1484  
ID ABO25259 standard; protein; 266 AA.  
DE Novel human secreted and transmembrane protein PRO1008.  
PN US2003050239-A1.  
PD 13-MAR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1485  
ID ABO18083 standard; protein; 266 AA.  
DE Human PRO polypeptide #214.  
PN US2003004311-A1.  
PD 02-JAN-2003.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1486  
ID ABO72265 standard; protein; 266 AA.  
DE Novel human secreted and transmembrane protein PRO1008.  
PN US2002192706-A1.  
PD 19-DEC-2002.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1487  
ID ABO66783 standard; protein; 266 AA.  
DE Human PRO polypeptide #214.  
PN US2003036180-A1.  
PD 20-FEB-2003.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1488  
ID ABO55913 standard; protein; 266 AA.  
DE Human protein DKK1.  
PN WO200277204-A2.  
PD 03-OCT-2002.  
PA (AXOR-) AXORDIA LTD.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1489  
ID ABO84945 standard; protein; 266 AA.  
DE Human secreted and transmembrane PRO polypeptide #21.  
PN US2002177553-A1.  
PD 28-NOV-2002.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1490  
ID AAE34067 standard; protein; 266 AA.  
DE DKK1 protein.  
PN WO200290992-A2.  
PD 14-NOV-2002.  
PA (AXOR-) AXORDIA LTD.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1491  
ID ABO59864 standard; protein; 266 AA.  
DE Novel secreted and transmembrane protein PRO1008.  
PN US2003054517-A1.

PN US2003017563-A1.  
PD 23-JAN-2003.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1492  
ID ABO61143 standard; protein; 266 AA.  
DE Human PRO1008 polypeptide.  
PN US2002169284-A1.  
PD 14-NOV-2002.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1493  
ID ABO57630 standard; protein; 266 AA.  
DE Differentially expressed breast cancer associated protein #17.  
PN US2002156263-A1.  
PD 24-OCT-2002.  
PA (CHEN/) CHEN H.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1494  
ID ABO25054 standard; protein; 266 AA.  
DE Human secreted/transmembrane protein (PRO) #214.  
PN US2003036179-A1.  
PD 20-FEB-2003.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1495  
ID ABO1793 standard; protein; 266 AA.  
DE Human cancer-related protein, 151P1C7A.  
PN WO200283921-A2.  
PD 24-OCT-2002.  
PA (AGEN-) AGENSYS INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1496  
ID ABO80412 standard; protein; 266 AA.  
DE Human secreted/transmembrane protein PRO1008.  
PN US2003004102-A1.  
PD 02-JAN-2003.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1497  
ID ABO67059 standard; protein; 266 AA.  
DE Human secreted/transmembrane, PRO, protein SEQ ID 428.  
PN US2003032155-A1.  
PD 13-FEB-2003.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1498  
ID ADA45947 standard; protein; 266 AA.  
DE Novel human secreted and transmembrane protein PRO1008.  
PN US2003022328-A1.  
PD 30-JAN-2003.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1499  
ID ADA76378 standard; protein; 266 AA.  
DE Human PRO polypeptide #214.  
PN US2003073212-A1.  
PD 17-APR-2003.  
PA (GETH) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;  
RESULT 1500  
ID ADA19028 standard; protein; 266 AA.  
DE Human PRO polypeptide #214.  
PN US2003054517-A1.

PD 20-MAR-2003.  
PA (GETH ) GENENTECH INC.  
Query Match 19.5%; Score 97; DB 6; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.031;

GenCore version 6.2.1  
 Copyright (c) 1993 - 2007 Bioacceleration Ltd.  
 OM protein - protein search, using sw model  
 Run on: November 29, 2007, 17:18:54 ; Search time 163 Seconds  
 (without alignments)  
 564.121 Million cell updates/sec

Title: US-10-692-299-2\_COPY\_20\_105  
 Perfect score: 498  
 Sequence: 1 AVITGACERDVQAGTCCA.....CSRPPDGRVRCSDMLKNINF 86

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

Searched: 3281787 seqs, 1072124677 residues

Total number of hits satisfying chosen parameters: 3281787

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database : UniProt\_8.4.\*

1: uniprot\_sprot.\*

2: uniprot\_trembl.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description  |
|------------|-------|-------------|--------|-------|--------------|
| 1          | 498   | 100.0       | 105    | 1     | PROK1_HUMAN  |
| 2          | 498   | 100.0       | 105    | 2     | Q5VMD4_HUMAN |
| 3          | 497   | 99.8        | 105    | 2     | Q8TC69_HUMAN |
| 4          | 473   | 95.0        | 105    | 1     | PROK1_RAT    |
| 5          | 432   | 86.7        | 81     | 2     | Q8K457_MOUSE |
| 6          | 417   | 83.7        | 81     | 2     | Q3ZF12_BOVIN |
| 7          | 345   | 69.3        | 104    | 2     | Q2XXR8_VARVA |
| 8          | 340   | 68.3        | 104    | 2     | Q2XXR7_VARVA |
| 9          | 315   | 63.3        | 81     | 1     | VPRA_DENPO   |
| 10         | 311   | 62.4        | 106    | 2     | Q4RVU3_TETNG |
| 11         | 304   | 61.0        | 108    | 2     | Q863H4_BOVIN |
| 12         | 291   | 58.4        | 108    | 2     | Q6ISR0_HUMAN |
| 13         | 286   | 57.4        | 107    | 1     | PROK2_RAT    |
| 14         | 286   | 57.4        | 107    | 2     | Q5OE37_9MURI |
| 15         | 286   | 57.4        | 107    | 2     | Q5OE38_9MURI |
| 16         | 285   | 57.2        | 102    | 2     | Q4SR12_TETNG |
| 17         | 284   | 57.0        | 128    | 2     | Q863H5_BOVIN |
| 18         | 278.5 | 55.9        | 96     | 2     | Q8JFQ0_BOMMX |
| 19         | 273.5 | 54.9        | 96     | 2     | Q5W280_BOMMX |
| 20         | 270.5 | 54.3        | 129    | 1     | PROK2_HUMAN  |
| 21         | 270.5 | 54.3        | 129    | 2     | Q53Z78_HUMAN |
| 22         | 267.5 | 53.7        | 96     | 1     | BV8_BOMVA    |
| 23         | 265.5 | 53.3        | 128    | 1     | PROK2_MOUSE  |
| 24         | 265.5 | 53.3        | 128    | 2     | Q5V8J7_RAT   |
| 25         | 265.5 | 53.3        | 128    | 2     | Q5OE33_9MURI |
| 26         | 265.5 | 53.3        | 128    | 2     | Q5OE34_9MURI |
| 27         | 254.5 | 51.1        | 96     | 2     | Q8JF86_BOMMX |
| 28         | 253.5 | 50.9        | 96     | 2     | Q8JFX8_BOMMX |
| 29         | 253.5 | 50.9        | 96     | 2     | Q8JFY1_BOMMX |
| 30         | 249.5 | 50.1        | 96     | 2     | Q8JFY0_BOMMX |
| 31         | 249.5 | 50.1        | 96     | 2     | Q8JFX9_BOMMX |

|     |       |      |      |   |              |
|-----|-------|------|------|---|--------------|
| 32  | 246.5 | 49.5 | 96.  | 2 | Q8JFY2_BOMMX |
| 33  | 193   | 38.8 | 39   | 2 | Q5OE61_9MURI |
| 34  | 191   | 38.4 | 82   | 2 | Q2TBS7_BOVIN |
| 35  | 188   | 37.8 | 86   | 2 | Q5OE35_9MURI |
| 36  | 188   | 37.8 | 86   | 2 | Q5OE36_9MURI |
| 37  | 121.5 | 24.4 | 124  | 2 | Q56R10_PENMO |
| 38  | 112   | 22.5 | 96   | 2 | Q8UUX3_CHICK |
| 39  | 108.5 | 21.8 | 221  | 1 | DKK4_MOUSE   |
| 40  | 107.5 | 21.6 | 224  | 1 | DKK4_HUMAN   |
| 41  | 107.5 | 21.6 | 224  | 1 | Q3KNX0_HUMAN |
| 42  | 107.5 | 21.6 | 350  | 1 | DKK3_CHICK   |
| 43  | 104   | 20.9 | 255  | 2 | Q9DDA4_XENLA |
| 44  | 102   | 20.5 | 180  | 2 | Q4RJF1_TETNG |
| 45  | 102   | 20.5 | 259  | 1 | DKK2_HUMAN   |
| 46  | 101.5 | 20.4 | 256  | 2 | Q5EH06_GECJA |
| 47  | 101   | 20.3 | 259  | 1 | DKK2_MOUSE   |
| 48  | 101   | 20.3 | 259  | 1 | Q8BFW0_MOUSE |
| 49  | 101   | 20.3 | 272  | 1 | DKK1_MOUSE   |
| 50  | 101   | 20.3 | 272  | 1 | Q8OU55_MOUSE |
| 51  | 100.5 | 20.2 | 171  | 2 | Q43532_HUMAN |
| 52  | 100.5 | 20.2 | 215  | 2 | Q8N294_HUMAN |
| 53  | 100.5 | 20.2 | 341  | 2 | Q5R8T0_PONPY |
| 54  | 100.5 | 20.2 | 349  | 2 | Q2HWP5_PIG   |
| 55  | 100.5 | 20.2 | 350  | 1 | DKK3_HUMAN   |
| 56  | 100.5 | 20.2 | 350  | 2 | Q5R4Q2_PONPY |
| 57  | 100.5 | 20.2 | 350  | 2 | Q4R417_MACFA |
| 58  | 99.5  | 20.0 | 277  | 2 | Q9SE33_RAT   |
| 59  | 99.5  | 20.0 | 348  | 1 | Q5RKL1_RAT   |
| 60  | 98.5  | 19.8 | 349  | 1 | DKK3_MOUSE   |
| 61  | 97    | 19.5 | 266  | 1 | DKK1_HUMAN   |
| 62  | 96.5  | 19.4 | 268  | 2 | Q6FVU5_RABIT |
| 63  | 95.5  | 19.2 | 259  | 2 | Q57464_XENLA |
| 64  | 95    | 19.1 | 177  | 2 | Q4SL69_TETNG |
| 65  | 94.5  | 19.0 | 350  | 2 | Q6P081_HUMAN |
| 66  | 94    | 18.9 | 240  | 2 | Q3PMH3_BEARE |
| 67  | 90.5  | 18.2 | 104  | 2 | Q56R11_PACLE |
| 68  | 88.5  | 17.8 | 640  | 2 | Q96397_CHLRE |
| 69  | 88    | 17.7 | 88   | 2 | Q5D229_HADSP |
| 70  | 87    | 17.5 | 88   | 2 | Q5D228_HADSP |
| 71  | 86    | 17.3 | 241  | 2 | Q3W6D9_BEARE |
| 72  | 84.5  | 17.0 | 102  | 2 | Q3UW21_MOUSE |
| 73  | 84    | 16.9 | 88   | 2 | Q5D230_HADSP |
| 74  | 83.5  | 16.8 | 110  | 2 | Q4PML0_IXOSC |
| 75  | 83.5  | 16.8 | 504  | 2 | Q1XB78_MYTED |
| 76  | 82.5  | 16.6 | 400  | 2 | Q3U128_MOUSE |
| 77  | 82.5  | 16.6 | 425  | 1 | CN130_MOUSE  |
| 78  | 82.5  | 16.6 | 425  | 1 | Q52KC0_MOUSE |
| 79  | 82.5  | 16.6 | 425  | 2 | Q642A8_RAT   |
| 80  | 82    | 16.5 | 1013 | 2 | Q28CM0_XENTR |
| 81  | 82    | 16.5 | 1165 | 2 | Q5BKF5_XENTR |
| 82  | 81.5  | 16.4 | 446  | 2 | Q8NB03_HUMAN |
| 83  | 81    | 16.3 | 1964 | 1 | NOTC4_MOUSE  |
| 84  | 80.5  | 16.2 | 1193 | 2 | Q4S758_TETNG |
| 85  | 80    | 16.1 | 412  | 2 | Q557F1_DICDI |
| 86  | 80    | 16.1 | 412  | 2 | Q86HY9_DICDI |
| 87  | 79.5  | 16.0 | 191  | 2 | Q6ZOW6_HUMAN |
| 88  | 79.5  | 16.0 | 404  | 2 | Q6ZOR7_HUMAN |
| 89  | 79.5  | 16.0 | 418  | 2 | Q4T860_TETNG |
| 90  | 79.5  | 16.0 | 446  | 2 | Q8N1N5_HUMAN |
| 91  | 79.5  | 16.0 | 870  | 2 | Q8IQG6_DROME |
| 92  | 79.5  | 16.0 | 1233 | 2 | Q4S163_TETNG |
| 93  | 79.5  | 16.0 | 1331 | 2 | Q4S572_TETNG |
| 94  | 79.5  | 16.0 | 1353 | 2 | Q4UG29_THEAN |
| 95  | 79    | 15.9 | 107  | 1 | COL_RABIT    |
| 96  | 79    | 15.9 | 224  | 2 | Q4H3Q2_CIOIN |
| 97  | 79    | 15.9 | 225  | 2 | Q4H3Q3_CIOIN |
| 98  | 79    | 15.9 | 704  | 1 | PBLN1_CHICK  |
| 99  | 79    | 15.9 | 1293 | 2 | Q16M09_AEDAE |
| 100 | 79    | 15.9 | 2447 | 2 | Q13149_FUGRU |
| 101 | 78.5  | 15.8 | 162  | 2 | Q5JHVB_PYRKO |
| 102 | 78    | 15.7 | 593  | 2 | Q5R5T2_PONPY |
| 103 | 77.5  | 15.6 | 350  | 2 | Q54EN7_DICDI |
| 104 | 77.5  | 15.6 | 473  | 1 | P22_MYTGA    |

|        |              |
|--------|--------------|
| Q8jfy2 | bombina max  |
| Q5oe61 | arvicanthus  |
| Q2tbs7 | bos taurus   |
| Q5oe35 | arvicanthus  |
| Q5oe36 | arvicanthus  |
| Q56r10 | penaeus mon  |
| Q8uux3 | gallus gall  |
| Q8uej3 | mus musculus |
| Q9ubt3 | homo sapien  |
| Q3knx0 | homo sapien  |
| Q90839 | gallus gall  |
| Q9ad44 | xenopus lae  |
| Q4rjf1 | tetraodon n  |
| Q9ubu2 | homo sapien  |
| Q9gyz8 | mus musculus |
| Q8bfw0 | mus musculus |
| Q8bfw0 | m 10, 11 da  |
| Q54908 | mus musculus |
| Q8ou55 | m dickkopf   |
| Q43532 | homo sapien  |
| Q8n294 | homo sapien  |
| Q5r8t0 | pongo pygma  |
| Q2hwr5 | sus scrofa   |
| Q9ubp4 | homo sapien  |
| Q5r4q2 | pongo pygma  |
| Q4r417 | macaca fasc  |
| Q9se33 | rattus norv  |
| Q5rkl1 | rattus norv  |
| Q9run9 | mus musculus |
| Q94907 | homo sapien  |
| Q6pvu5 | oryctolagus  |
| Q57464 | xenopus lae  |
| Q4sl69 | tetraodon n  |
| Q6p081 | homo sapien  |
| Q9pwh3 | brachydanio  |
| Q56r11 | pacifastacu  |
| Q96397 | chlamydomon  |
| Q5d229 | hadronyche   |
| Q5d228 | hadronyche   |
| Q9w6d9 | brachydanio  |
| Q3uw21 | mus musculus |
| Q5d230 | hadronyche   |
| Q4pml0 | ixodes scap  |
| Q1xbt8 | mytilus edu  |
| Q3u128 | mus musculus |
| Q8bu04 | mus musculus |
| Q52kc0 | m hypotheti  |
| Q642a8 | rattus norv  |
| Q28cm0 | xenopus tro  |
| Q5bkf5 | xenopus tro  |
| Q8nb03 | homo sapien  |
| P31695 | mus musculus |
| Q48758 | tetraodon n  |
| Q557f1 | dictyosteli  |
| Q86hy9 | dictyosteli  |
| Q6zqw6 | homo sapien  |
| Q6zqr7 | homo sapien  |
| Q4t860 | tetraodon n  |
| Q8n1n5 | homo sapien  |
| Q8iqg6 | drosophila   |
| Q4s163 | tetraodon n  |
| Q4s572 | tetraodon n  |
| Q4ug29 | theileria a  |
| P42890 | oryctolagus  |
| Q4h3q2 | ciona intes  |
| Q4h3q3 | ciona intes  |
| Q73775 | gallus gall  |
| Q16m09 | aedes aegypt |
| Q13149 | fugu rubrip  |
| Q5jhvb | pyrococcus   |
| Q5r5t2 | pongo pygma  |
| Q54en7 | dictyosteli  |
| Q25464 | mytilus gal  |

|     |      |       |      |           |              |        |              |     |      |      |      |   |           |       |           |              |
|-----|------|-------|------|-----------|--------------|--------|--------------|-----|------|------|------|---|-----------|-------|-----------|--------------|
| 105 | 77   | 15.5  | 5533 | Q5RIP6    | brachydanio  | Q5rip6 | brachydanio  | 178 | 71   | 14.3 | 457  | 2 | Q8TEC5    | HUMAN | Q8tec5    | homo sapien  |
| 106 | 76   | 15.3  | 113  | Q9D2R7    | mus musculus | Q9d2r7 | mus musculus | 179 | 71   | 14.3 | 587  | 2 | Q2HJ16    | BOVIN | Q2hj16    | bos taurus   |
| 107 | 76   | 15.3  | 264  | Q5H2W5    | rattus norv  | Q5h2w5 | rattus norv  | 180 | 71   | 14.3 | 593  | 1 | GRN_HUMAN |       | GRN_HUMAN | homo sapien  |
| 108 | 76   | 15.3  | 496  | Q54L19    | dictyosteli  | Q54l19 | dictyosteli  | 181 | 71   | 14.3 | 593  | 2 | Q540U8    | HUMAN | Q540u8    | homo sapien  |
| 109 | 76   | 15.3  | 496  | Q6TMJ0    | dictyosteli  | Q6tmj0 | dictyosteli  | 182 | 71   | 14.3 | 593  | 2 | Q53H08    | HUMAN | Q53hq8    | homo sapien  |
| 110 | 75.5 | 12.59 | 2    | Q385C6    | trypanosoma  | Q385c6 | trypanosoma  | 183 | 70.5 | 14.2 | 172  | 2 | Q19QV7    | SCNID | Q19qv7    | nematostell  |
| 111 | 75.5 | 15.2  | 1651 | Q9TVQ2    | caenorhabdi  | Q9tvq2 | caenorhabdi  | 184 | 70.5 | 14.2 | 212  | 2 | Q16TD8    | AEDAE | Q16td8    | aedes aegypt |
| 112 | 75   | 15.1  | 130  | Q4PMW2    | ixodes scap  | Q4pmw2 | ixodes scap  | 185 | 70.5 | 14.2 | 287  | 2 | Q75Z12    | BRARE | Q75z12    | brachydanio  |
| 113 | 75   | 15.1  | 425  | Q53RA0    | homo sapien  | Q53ra0 | homo sapien  | 186 | 70.5 | 14.2 | 555  | 2 | Q4RN57    | TETNG | Q4rn57    | tetraodon n  |
| 114 | 75   | 15.1  | 647  | Q6P3V5    | homo sapien  | Q6p3v5 | homo sapien  | 187 | 70.5 | 14.2 | 591  | 1 | GRN_CAVPO |       | GRN_CAVPO | rattus norv  |
| 115 | 75   | 15.1  | 762  | Q8ML23    | drosophila   | Q8ml23 | drosophila   | 188 | 70.5 | 14.2 | 655  | 2 | Q1WX2     | DROER | Q1wx2     | drosophila   |
| 116 | 75   | 15.1  | 1581 | Q1EC02    | drosophila   | Q1ec02 | drosophila   | 189 | 70.5 | 14.2 | 667  | 2 | Q1WKW9    | DROTE | Q1kwk9    | drosophila   |
| 117 | 75   | 15.1  | 1581 | Q1EC03    | mouse        | Q1ec03 | mouse        | 190 | 70.5 | 14.2 | 919  | 2 | Q61V24    | CAEBR | Q61v24    | caenorhabdi  |
| 118 | 75   | 15.1  | 1581 | Q4VA13    | mouse        | Q4va13 | mouse        | 191 | 70.5 | 14.2 | 966  | 2 | Q22378    | CAEBL | Q22378    | caenorhabdi  |
| 119 | 75   | 15.1  | 1957 | Q4SU28    | tetraodon n  | Q4su28 | tetraodon n  | 192 | 70.5 | 14.2 | 2318 | 1 | NOTC3     | MOUSE | Q61982    | mus musculus |
| 120 | 75   | 15.1  | 1961 | Q6MG89    | rattus norv  | Q6mg89 | rattus norv  | 193 | 70.5 | 14.2 | 2319 | 1 | NOTC3     | RAT   | Q9r172    | rattus norv  |
| 121 | 75   | 15.1  | 2003 | Q5SP11    | homo sapien  | Q5sp11 | homo sapien  | 194 | 70   | 14.1 | 68   | 1 | TX16      | PHONI | P83997    | phonetria    |
| 122 | 75   | 15.1  | 2003 | Q5SP11    | homo sapien  | Q5sp11 | homo sapien  | 195 | 70   | 14.1 | 92   | 2 | Q2MCM5    | HYDMA | Q2mcn5    | hydra magni  |
| 123 | 75   | 15.1  | 2003 | Q5SSV7    | homo sapien  | Q5ssv7 | homo sapien  | 196 | 70   | 14.1 | 113  | 1 | COL_MOUSE |       | Q9cqc2    | mus musculus |
| 124 | 75   | 15.1  | 2005 | Q5STG5    | homo sapien  | Q5stg5 | homo sapien  | 197 | 70   | 14.1 | 251  | 2 | Q70LQ4    | ENCBU | Q70lq4    | enchytraeus  |
| 125 | 75   | 15.1  | 2531 | Q16004    | lytechinus   | Q16004 | lytechinus   | 198 | 70   | 14.1 | 251  | 2 | Q24774    | ENCBU | Q24774    | enchytraeus  |
| 126 | 75   | 15.1  | 4599 | LRP1B     | homo sapien  | Q9nrz2 | homo sapien  | 199 | 70   | 14.1 | 387  | 2 | Q4KLX7    | XENLA | Q4klx7    | xenopus lae  |
| 127 | 74.5 | 15.0  | 190  | Q4T7B9    | tetraodon n  | Q4t7b9 | tetraodon n  | 200 | 70   | 14.1 | 392  | 2 | Q9PVD4    | XENLA | Q9pvd4    | xenopus lae  |
| 128 | 74.5 | 15.0  | 194  | Q4SIA7    | tetng        | Q4sia7 | tetng        | 201 | 70   | 14.1 | 490  | 2 | Q6NUF1    | XENLA | Q6nuf1    | xenopus lae  |
| 129 | 74.5 | 15.0  | 274  | Q5RC03    | PONPY        | Q5rc03 | pongo pygma  | 202 | 70   | 14.1 | 706  | 2 | Q920K3    | RAT   | Q920k3    | rattus norv  |
| 130 | 74.5 | 15.0  | 286  | Q7R5C8    | GIALA        | Q7r5c8 | giardia lam  | 203 | 70   | 14.1 | 729  | 2 | Q4H3Q7    | CIOIN | Q4h3q7    | ciona intes  |
| 131 | 74.5 | 15.0  | 425  | CNI130    | HUMAN        | Q8nr06 | homo sapien  | 204 | 70   | 14.1 | 729  | 2 | Q4V9K5    | BRARE | Q4v9k5    | brachydanio  |
| 132 | 74.5 | 15.0  | 429  | Q1XB76    | MYTED        | Q1xb76 | mytilus edu  | 205 | 70   | 14.1 | 729  | 2 | Q802C1    | XENLA | Q802c1    | xenopus lae  |
| 133 | 74.5 | 15.0  | 1426 | Q4RTA6    | TETNG        | Q4rta6 | tetraodon n  | 206 | 70   | 14.1 | 950  | 2 | Q4PN79    | IXOSC | Q4pn79    | ixodes scap  |
| 134 | 74.5 | 15.0  | 5644 | Q16KQ9    | AEDAE        | Q16kq9 | aedes aegypt | 207 | 69.5 | 14.0 | 111  | 2 | Q3XNM9    | 9PROT | Q3xnm9    | magnetococc  |
| 135 | 74   | 14.9  | 623  | Q4P8A3    | USTWA        | Q4p8a3 | ustilago ma  | 208 | 69.5 | 14.0 | 682  | 2 | Q1WKW8    | DROYA | Q1wkW8    | drosophila   |
| 136 | 74   | 14.9  | 693  | Q505M8    | XENLA        | Q505m8 | xenopus lae  | 209 | 69.5 | 14.0 | 818  | 2 | Q4V7B3    | RAT   | Q4v7b3    | rattus norv  |
| 137 | 74   | 14.9  | 708  | F87363    | CHICK        | Q87363 | gallus gall  | 210 | 69.5 | 14.0 | 1099 | 2 | Q60V58    | CAEBR | Q60v58    | caenorhabdi  |
| 138 | 74   | 14.9  | 1171 | Q4RLR5    | TETNG        | Q4rlr5 | tetraodon n  | 211 | 69.5 | 14.0 | 1147 | 2 | Q3TLU3    | MOUSE | Q3tlU3    | mus musculus |
| 139 | 74   | 14.9  | 3461 | Q16KR1    | AEDAE        | Q16krl | aedes aegypt | 212 | 69   | 13.9 | 112  | 2 | Q291D9    | DROPS | Q291d9    | drosophila   |
| 140 | 74   | 14.9  | 4680 | Q7PV66    | ANOAGA       | Q7pv66 | anopheles g  | 213 | 69   | 13.9 | 413  | 2 | Q9H8S1    | HUMAN | Q9h8s1    | homo sapien  |
| 141 | 73.5 | 14.8  | 701  | Q8AVE8    | XENLA        | Q8ave8 | xenopus lae  | 214 | 69   | 13.9 | 638  | 2 | Q8NBH6    | HUMAN | Q8nbh6    | homo sapien  |
| 142 | 73.5 | 14.8  | 2327 | Q9IBG7    | XENLA        | Q9ibg7 | xenopus lae  | 215 | 69   | 13.9 | 703  | 1 | FBLN1     | HUMAN | Q69zY6    | mus musculus |
| 143 | 73   | 14.7  | 64   | TX16      | PHORI        | P83893 | phonetria    | 216 | 69   | 13.9 | 835  | 2 | Q69ZY6    | MOUSE | Q69zy6    | mus musculus |
| 144 | 73   | 14.7  | 109  | Q5U809    | HUMAN        | Q5u809 | homo sapien  | 217 | 69   | 13.9 | 835  | 2 | Q330K6    | TRIMU | Q330k6    | trimeresuru  |
| 145 | 73   | 14.7  | 112  | COL_HUMAN |              | P04118 | homo sapien  | 218 | 68.5 | 13.8 | 143  | 2 | Q330K6    | TRIMU | Q330k6    | trimeresuru  |
| 146 | 73   | 14.7  | 112  | Q5T9G7    | HUMAN        | Q5t9g7 | homo sapien  | 219 | 68.5 | 13.8 | 333  | 2 | Q3HTT8    | CANFA | Q3htT8    | canis faml   |
| 147 | 73   | 14.7  | 172  | Q8RU50    | ORYSA        | Q8ru50 | oryza sativ  | 220 | 68.5 | 13.8 | 425  | 2 | Q4R222    | MACFA | Q4r222    | macaca fasc  |
| 148 | 73   | 14.7  | 211  | Q1QC1     | RHOFD        | Q1qc1  | rhodiferax   | 221 | 68.5 | 13.8 | 661  | 2 | Q1WKX0    | DROSI | Q1wkX0    | drosophila   |
| 149 | 73   | 14.7  | 417  | TNR16     | MOUSE        | Q2z0w1 | mus musculus | 222 | 68.5 | 13.8 | 708  | 2 | Q7F803    | ORYSA | Q7f803    | oryza sativ  |
| 150 | 73   | 14.7  | 417  | Q8BY1     | MOUSE        | Q8by1  | mus musculus | 223 | 68.5 | 13.8 | 850  | 2 | Q4384     | BRAOL | Q4384     | brassica ol  |
| 151 | 73   | 14.7  | 427  | Q8CFT3    | MOUSE        | Q8cft3 | mus musculus | 224 | 68.5 | 13.8 | 909  | 2 | Q5ZEL8    | ORYSA | Q5zel8    | oryza sativ  |
| 152 | 73   | 14.7  | 732  | Q9RH03    | AZOIR        | Q9rh03 | azospirillu  | 225 | 68.5 | 13.8 | 1064 | 2 | Q2HD56    | CHAGB | Q2hd56    | chaetomium   |
| 153 | 73   | 14.7  | 1408 | Q4RX38    | TETNG        | Q4rx38 | tetraodon n  | 226 | 68.5 | 13.8 | 1172 | 1 | TSP2      | MOUSE | TSP2      | mouse        |
| 154 | 72.5 | 14.6  | 103  | Q8Z331    | ORYSA        | Q8z331 | oryza sativ  | 227 | 68.5 | 13.8 | 1172 | 2 | Q7TMT3    | MOUSE | Q7tmt3    | mouse        |
| 155 | 72.5 | 14.6  | 457  | Q8IVS6    | HUMAN        | Q8ivs6 | homo sapien  | 228 | 68.5 | 13.8 | 1172 | 2 | Q8CG21    | MOUSE | Q8cg21    | mouse        |
| 156 | 72.5 | 14.6  | 461  | TNR1B     | HUMAN        | P20333 | h tumor nec  | 229 | 68.5 | 13.8 | 1639 | 1 | LAMC1     | DROME | LAMC1     | drome        |
| 157 | 72.5 | 14.6  | 461  | Q5THJ6    | HUMAN        | Q5thj6 | homo sapien  | 230 | 68.5 | 13.8 | 1639 | 2 | Q5BI30    | DROME | Q5bi30    | drome        |
| 158 | 72.5 | 14.6  | 986  | Q1L8E9    | BRARE        | Q1l8e9 | brachydanio  | 231 | 68.5 | 13.8 | 1801 | 2 | Q8WSU2    | BOMMO | Q8wsu2    | bombyx mori  |
| 159 | 72.5 | 14.6  | 1269 | Q1L926    | BRARE        | Q1l926 | brachydanio  | 232 | 68.5 | 13.8 | 1838 | 2 | Q28XF3    | DROPS | Q28xf3    | drosophila   |
| 160 | 72.5 | 14.6  | 1428 | Q1A5L3    | BRARE        | Q1a5l3 | brachydanio  | 233 | 68.5 | 13.8 | 1952 | 2 | Q95SN5    | DROME | Q95sn5    | drosophila   |
| 161 | 72.5 | 14.6  | 2715 | MLL4      | HUMAN        | Q9um13 | brachydanio  | 234 | 68.5 | 13.8 | 2559 | 1 | STRAB2    | MOUSE | STRAB2    | mouse        |
| 162 | 72.5 | 14.6  | 3277 | Q6VU67    | HUMAN        | Q6vu67 | homo sapien  | 235 | 68.5 | 13.8 | 4547 | 2 | Q9W343    | DROME | Q9w343    | drosophila   |
| 163 | 72.5 | 14.6  | 3333 | Q76E14    | HUMAN        | Q76e14 | homo sapien  | 236 | 68   | 13.7 | 60   | 2 | Q20A05    | CRAGI | Q20a05    | crassostrea  |
| 164 | 72.5 | 14.6  | 3333 | Q6VU68    | HUMAN        | Q6vu68 | homo sapien  | 237 | 68   | 13.7 | 112  | 1 | COL_CANFA |       | P19090    | canis faml   |
| 165 | 72   | 14.5  | 3667 | Q29F13    | DROPS        | Q29f13 | drosophila   | 238 | 68   | 13.7 | 113  | 2 | Q5T9G1    | HUMAN | Q5t9g1    | homo sapien  |
| 166 | 71.5 | 14.4  | 453  | Q64767    | ADEG1        | Q64767 | avian adeno  | 239 | 68   | 13.7 | 314  | 2 | Q5XTR8    | MACMU | Q5xtr8    | macaca mula  |
| 167 | 71.5 | 14.4  | 466  | Q1XB77    | MYTED        | Q1xb77 | mytilus edu  | 240 | 68   | 13.7 | 427  | 1 | TNR16     | HUMAN | TNR16     | human        |
| 168 | 71.5 | 14.4  | 1170 | TSP2      | BOVIN        | Q95116 | bos taurus   | 241 | 68   | 13.7 | 489  | 1 | MA2A1     | RAT   | MA2A1     | rattus norv  |
| 169 | 71.5 | 14.4  | 1178 | TSP2      | CHICK        | P35440 | gallus gall  | 242 | 68   | 13.7 | 586  | 2 | ULR84     | HCMAV | ULR84     | hcmav        |
| 170 | 71.5 | 14.4  | 1574 | MSGF5     | RAT          | O88281 | rattus norv  | 243 | 68   | 13.7 | 586  | 2 | Q6RXF3    | HCMAV | Q6rxF3    | hcmav        |
| 171 | 71.5 | 14.4  | 1809 | FVU1      | DROME        | O95838 | drosophila   | 244 | 68   | 13.7 | 587  | 2 | Q61T62    | CAEBR | Q61t62    | caenorhabdi  |
| 172 | 71.5 | 14.4  | 3652 | Q16PL9    | AEDAE        | Q16pl9 | aedes aegypt | 245 | 68   | 13.7 | 587  | 2 | Q6SW58    | HCMAV | Q6sw58    | hcmav        |
| 173 | 71   | 14.3  | 112  | COL_RAT   |              | P17084 | rattus norv  | 246 | 68   | 13.7 | 593  | 2 | Q4R529    | MACFA | Q4r529    | macaca fasc  |
| 174 | 71   | 14.3  | 286  | Q7JMU0    | MELIC        | Q7jmu0 | meloiodogyne | 247 | 68   | 13.7 | 944  | 2 | Q4SLY2    | TETNG | Q4slY2    | tetng        |
| 175 | 71   | 14.3  | 288  | Q5RIP8    | BRARE        | Q5rip8 | brachydanio  | 248 | 68   | 13.7 | 964  | 2 | Q4STC1    | TETNG | Q4stc1    | tetng        |
| 176 | 71   | 14.3  | 305  | Q25467    | MELIC        | Q25467 | meloiodogyne | 249 | 68   | 13.7 | 1090 | 2 | Q5SPG5    | BRARE | Q5spg5    | brachydanio  |
| 177 | 71   | 14.3  | 438  | Q53Y86    | HUMAN        | Q53y86 | homo sapien  | 250 | 68   | 13.7 |      |   |           |       |           |              |



|     |      |      |      |   |              |        |              |     |      |      |      |   |              |        |              |
|-----|------|------|------|---|--------------|--------|--------------|-----|------|------|------|---|--------------|--------|--------------|
| 251 | 68   | 13.7 | 1150 | 1 | MA2A1_MOUSE  | P27046 | mus musculus | 324 | 66.5 | 13.4 | 1379 | 2 | Q59H72_HUMAN | Q59H72 | homo sapien  |
| 252 | 68   | 13.7 | 1466 | 2 | Q1A512_BRARE | Q1A512 | brachydanio  | 325 | 66.5 | 13.4 | 1568 | 2 | Q5VUP0_HUMAN | Q5VUP0 | homo sapien  |
| 253 | 68   | 13.7 | 1984 | 1 | YL_DROME     | P98163 | drosophila   | 326 | 66.5 | 13.4 | 1587 | 1 | LAMC3_HUMAN  | LAMC3  | homo sapien  |
| 254 | 68   | 13.7 | 2359 | 2 | Q59FC2_HUMAN | Q59FC2 | homo sapien  | 327 | 66.5 | 13.4 | 1587 | 2 | Q5VUP1_HUMAN | Q5VUP1 | homo sapien  |
| 255 | 68   | 13.7 | 5147 | 1 | FAT_DROME    | P33450 | drosophila   | 328 | 66.5 | 13.4 | 1945 | 2 | Q4RQ96_TETNG | Q4RQ96 | tetraodon n  |
| 256 | 67.5 | 13.6 | 89   | 2 | Q5D232_HADSP | Q5D232 | hadronyche   | 329 | 66.5 | 13.4 | 4545 | 2 | Q4RQ96_TETNG | Q4RQ96 | tetraodon n  |
| 257 | 67.5 | 13.6 | 200  | 2 | Q7PWE6_ANOGA | Q7PWE6 | anopheles g  | 330 | 66.5 | 13.4 | 4545 | 2 | Q4RQ96_TETNG | Q4RQ96 | tetraodon n  |
| 258 | 67.5 | 13.6 | 269  | 2 | Q4I3B1_GIBZE | Q4I3B1 | gibberella   | 331 | 66.5 | 13.4 | 4545 | 2 | Q4RQ96_TETNG | Q4RQ96 | tetraodon n  |
| 259 | 67.5 | 13.6 | 269  | 2 | Q3TTU9_MOUSE | Q3TTU9 | mus musculus | 332 | 66.5 | 13.4 | 4545 | 2 | Q4RQ96_TETNG | Q4RQ96 | tetraodon n  |
| 260 | 67.5 | 13.6 | 303  | 2 | Q6ZP14_HUMAN | Q6ZP14 | homo sapien  | 333 | 66   | 13.3 | 85   | 1 | HEPC_MORCS   | HEPC   | morone chry  |
| 261 | 67.5 | 13.6 | 413  | 2 | Q5ZMNA_CHICK | Q5ZMNA | chick        | 334 | 66   | 13.3 | 149  | 2 | Q8GA35_ECOLI | Q8GA35 | escherichia  |
| 262 | 67.5 | 13.6 | 418  | 2 | Q5ZMNA_CHICK | Q5ZMNA | chick        | 335 | 66   | 13.3 | 208  | 2 | Q8GA35_ECOLI | Q8GA35 | escherichia  |
| 263 | 67.5 | 13.6 | 490  | 1 | TPW2_MOUSE   | TPW2   | mouse        | 336 | 66   | 13.3 | 299  | 2 | Q8GA35_ECOLI | Q8GA35 | escherichia  |
| 264 | 67.5 | 13.6 | 490  | 2 | Q3UKK3_MOUSE | Q3UKK3 | mouse        | 337 | 66   | 13.3 | 299  | 2 | Q8GA35_ECOLI | Q8GA35 | escherichia  |
| 265 | 67.5 | 13.6 | 490  | 2 | Q7TN04_MOUSE | Q7TN04 | mouse        | 338 | 66   | 13.3 | 299  | 2 | Q8GA35_ECOLI | Q8GA35 | escherichia  |
| 266 | 67.5 | 13.6 | 540  | 2 | Q4CXJ4_TRYCR | Q4CXJ4 | trypanosoma  | 339 | 66   | 13.3 | 1172 | 1 | TSR2_HUMAN   | TSR2   | trypanosoma  |
| 267 | 67.5 | 13.6 | 665  | 2 | Q1WKX1_DROCR | Q1WKX1 | drosophila   | 340 | 66   | 13.3 | 1172 | 1 | TSR2_HUMAN   | TSR2   | trypanosoma  |
| 268 | 67.5 | 13.6 | 726  | 2 | Q8AWB7_CYNPY | Q8AWB7 | cynops pyrr  | 341 | 66   | 13.3 | 1327 | 1 | Y2006_MYCTU  | Y2006  | mycobacteri  |
| 269 | 67.5 | 13.6 | 729  | 2 | Q8BNE3_MOUSE | Q8BNE3 | mouse        | 342 | 66   | 13.3 | 1327 | 2 | Q7ZT61_MYCBO | Q7ZT61 | mycobacteri  |
| 270 | 67.5 | 13.6 | 787  | 2 | Q8K061_MOUSE | Q8K061 | mouse        | 343 | 66   | 13.3 | 1599 | 2 | Q616G7_CAEBR | Q616G7 | caenorhabdi  |
| 271 | 67.5 | 13.6 | 896  | 2 | Q16Q03_AEDAE | Q16Q03 | aedes aegypt | 344 | 66   | 13.3 | 2289 | 2 | Q4S3T6_TETNG | Q4S3T6 | tetraodon n  |
| 272 | 67.5 | 13.6 | 1356 | 2 | Q4N8M7_THEPA | Q4N8M7 | theileria p  | 345 | 66   | 13.3 | 2884 | 2 | Q4SHN1_TETNG | Q4SHN1 | tetraodon n  |
| 273 | 67.5 | 13.6 | 1637 | 2 | Q9XSU8_BOVIN | Q9XSU8 | bos taurus   | 346 | 66   | 13.3 | 3075 | 1 | LAMAL_HUMAN  | LAMAL  | homo sapien  |
| 274 | 67.5 | 13.6 | 1744 | 2 | Q8CHH1_MOUSE | Q8CHH1 | mouse        | 347 | 66   | 13.3 | 3570 | 2 | Q7Q737_ANOGA | Q7Q737 | anopheles g  |
| 275 | 67.5 | 13.6 | 2013 | 2 | Q8PHU4_MOUSE | Q8PHU4 | mouse        | 348 | 66   | 13.3 | 3712 | 1 | LAMA_DROME   | LAMA   | drosophila   |
| 276 | 67.5 | 13.6 | 2713 | 2 | Q5NU09_MOUSE | Q5NU09 | mouse        | 349 | 65.5 | 13.2 | 110  | 2 | Q4PMX5_IXOSC | Q4PMX5 | ixodes scap  |
| 277 | 67.5 | 13.6 | 4525 | 2 | Q16UK9_AEDAE | Q16UK9 | aedes aegypt | 350 | 65.5 | 13.2 | 176  | 2 | Q4V4J0_DROME | Q4V4J0 | drosophila   |
| 278 | 67.5 | 13.6 | 4699 | 2 | Q9V383_DROME | Q9V383 | drosophila   | 351 | 65.5 | 13.2 | 230  | 2 | Q5VTG9_HUMAN | Q5VTG9 | homo sapien  |
| 279 | 67.5 | 13.6 | 5146 | 1 | SSPO_BOVIN   | SSPO   | bovin        | 352 | 65.5 | 13.2 | 236  | 2 | Q8WU09_HUMAN | Q8WU09 | homo sapien  |
| 280 | 67   | 13.5 | 113  | 2 | Q8MKJ5_DROME | Q8MKJ5 | drosophila   | 353 | 65.5 | 13.2 | 244  | 2 | Q7Z3S9_HUMAN | Q7Z3S9 | homo sapien  |
| 281 | 67   | 13.5 | 182  | 2 | Q30T67_SHEEP | Q30T67 | ovis aries   | 354 | 65.5 | 13.2 | 249  | 2 | Q5BK78_HUMAN | Q5BK78 | homo sapien  |
| 282 | 67   | 13.5 | 237  | 1 | ALG14_YEAST  | P38242 | saccharomyc  | 355 | 65.5 | 13.2 | 269  | 2 | Q8NC23_HUMAN | Q8NC23 | homo sapien  |
| 283 | 67   | 13.5 | 495  | 2 | Q4SQ05_DICDI | Q4SQ05 | dictyosteli  | 356 | 65.5 | 13.2 | 342  | 2 | Q6P192_HUMAN | Q6P192 | homo sapien  |
| 284 | 67   | 13.5 | 611  | 2 | Q4S228_TETNG | Q4S228 | tetraodon n  | 357 | 65.5 | 13.2 | 343  | 2 | Q5XG84_HUMAN | Q5XG84 | homo sapien  |
| 285 | 67   | 13.5 | 749  | 2 | Q86TP7_HUMAN | Q86TP7 | homo sapien  | 358 | 65.5 | 13.2 | 356  | 2 | Q36FY1_HUMAN | Q36FY1 | homo sapien  |
| 286 | 67   | 13.5 | 993  | 1 | EBPB3_MOUSE  | EBPB3  | mouse        | 359 | 65.5 | 13.2 | 410  | 2 | Q171B0_AEDAE | Q171B0 | aedes aegypt |
| 287 | 67   | 13.5 | 993  | 2 | Q91YS9_MOUSE | Q91YS9 | mouse        | 360 | 65.5 | 13.2 | 589  | 2 | Q3TWT4_MOUSE | Q3TWT4 | mouse        |
| 288 | 67   | 13.5 | 1050 | 2 | Q71G60_RSIV  | Q71G60 | red sea bre  | 361 | 65.5 | 13.2 | 722  | 1 | DLL1_MOUSE   | DLL1   | mouse        |
| 289 | 67   | 13.5 | 1168 | 2 | Q60XCO_CAEBR | Q60XCO | caenorhabdi  | 362 | 65.5 | 13.2 | 722  | 2 | Q6PFV7_MOUSE | Q6PFV7 | mouse        |
| 290 | 67   | 13.5 | 1229 | 1 | MEGF6_HUMAN  | MEGF6  | homo sapien  | 363 | 65.5 | 13.2 | 724  | 2 | Q4ZJ75_XENLA | Q4ZJ75 | xenopus lae  |
| 291 | 67   | 13.5 | 1289 | 2 | Q59FL3_HUMAN | Q59FL3 | homo sapien  | 364 | 65.5 | 13.2 | 724  | 2 | Q3ZNV6_XENLA | Q3ZNV6 | xenopus lae  |
| 292 | 67   | 13.5 | 1640 | 2 | Q4AC86_HUMAN | Q4AC86 | homo sapien  | 365 | 65.5 | 13.2 | 729  | 2 | Q6GPT6_XENLA | Q6GPT6 | xenopus lae  |
| 293 | 67   | 13.5 | 1761 | 2 | Q86XN2_HUMAN | Q86XN2 | homo sapien  | 366 | 65.5 | 13.2 | 768  | 2 | Q36581_9RETR | Q36581 | multiple sc  |
| 294 | 67   | 13.5 | 2321 | 1 | NOTC3_HUMAN  | Q9UM47 | homo sapien  | 367 | 65.5 | 13.2 | 802  | 2 | Q7JL02_CAEBL | Q7JL02 | caenorhabdi  |
| 295 | 66.5 | 13.4 | 170  | 2 | Q2BNK4_9GAMM | Q2BNK4 | oceanospiri  | 368 | 65.5 | 13.2 | 804  | 2 | Q3UK95_MOUSE | Q3UK95 | mouse        |
| 296 | 66.5 | 13.4 | 287  | 2 | Q81R71_DROME | Q81R71 | drosophila   | 369 | 65.5 | 13.2 | 818  | 2 | Q8CCS9_MOUSE | Q8CCS9 | mouse        |
| 297 | 66.5 | 13.4 | 386  | 2 | Q32NM5_XENLA | Q32NM5 | xenopus lae  | 370 | 65.5 | 13.2 | 818  | 2 | Q9DBC8_MOUSE | Q9DBC8 | mouse        |
| 298 | 66.5 | 13.4 | 388  | 2 | Q6JA22_XENLA | Q6JA22 | xenopus lae  | 371 | 65.5 | 13.2 | 887  | 2 | Q3UMW1_MOUSE | Q3UMW1 | mouse        |
| 299 | 66.5 | 13.4 | 388  | 2 | Q68Y16_XENLA | Q68Y16 | xenopus lae  | 372 | 65.5 | 13.2 | 949  | 2 | P90956_CAEBL | P90956 | caenorhabdi  |
| 300 | 66.5 | 13.4 | 462  | 2 | Q3UDP6_MOUSE | Q3UDP6 | mouse        | 373 | 65.5 | 13.2 | 1114 | 2 | Q3JKW7_MOUSE | Q3JKW7 | mouse        |
| 301 | 66.5 | 13.4 | 480  | 2 | Q34XA1_9GAMM | Q34XA1 | alkalimni    | 374 | 65.5 | 13.2 | 1114 | 2 | Q3U2A7_MOUSE | Q3U2A7 | mouse        |
| 302 | 66.5 | 13.4 | 511  | 2 | Q6IN42_RAT   | Q6IN42 | rattus norv  | 375 | 65.5 | 13.2 | 1235 | 2 | Q6IQ50_HUMAN | Q6IQ50 | homo sapien  |
| 303 | 66.5 | 13.4 | 588  | 1 | GRN_RAT      | P23785 | rattus norv  | 376 | 65.5 | 13.2 | 1465 | 2 | Q4RN50_TETNG | Q4RN50 | tetraodon n  |
| 304 | 66.5 | 13.4 | 589  | 1 | GRN_MOUSE    | P28798 | mus musculus | 377 | 65.5 | 13.2 | 1847 | 2 | Q76952_AEDAE | Q76952 | aedes aegypt |
| 305 | 66.5 | 13.4 | 589  | 2 | Q3TX66_MOUSE | Q3TX66 | mus musculus | 378 | 65.5 | 13.2 | 1847 | 2 | Q171G8_AEDAE | Q171G8 | aedes aegypt |
| 306 | 66.5 | 13.4 | 589  | 2 | Q3TVQ3_MOUSE | Q3TVQ3 | mus musculus | 379 | 65.5 | 13.2 | 1847 | 2 | Q16GV3_AEDAE | Q16GV3 | aedes aegypt |
| 307 | 66.5 | 13.4 | 589  | 2 | Q3UC19_MOUSE | Q3UC19 | mus musculus | 380 | 65.5 | 13.2 | 2213 | 1 | SORL_RABIT   | SORL   | rabbit       |
| 308 | 66.5 | 13.4 | 589  | 2 | Q544Y8_MOUSE | Q544Y8 | m adult mal  | 381 | 65.5 | 13.2 | 2471 | 1 | NOTC2_HUMAN  | NOTC2  | homo sapien  |
| 309 | 66.5 | 13.4 | 593  | 2 | Q3U9K2_MOUSE | Q3U9K2 | mus musculus | 382 | 65.5 | 13.2 | 2471 | 1 | Q5VTD0_HUMAN | Q5VTD0 | homo sapien  |
| 310 | 66.5 | 13.4 | 602  | 2 | Q3U9N4_MOUSE | Q3U9N4 | m bone marr  | 383 | 65.5 | 13.2 | 4532 | 2 | Q29ID0_DROPS | Q29ID0 | drosophila   |
| 311 | 66.5 | 13.4 | 602  | 2 | Q3TW77_MOUSE | Q3TW77 | rattus norv  | 384 | 65   | 13.1 | 111  | 1 | COL_SPETR    | COL    | spetr        |
| 312 | 66.5 | 13.4 | 602  | 2 | Q3U506_MOUSE | Q3U506 | mus musculus | 385 | 65   | 13.1 | 147  | 2 | Q6QXV5_ORYSA | Q6QXV5 | oryza sativ  |
| 313 | 66.5 | 13.4 | 602  | 2 | Q3U8W3_MOUSE | Q3U8W3 | mus musculus | 386 | 65   | 13.1 | 400  | 2 | Q2ZB14_TETTH | Q2ZB14 | tetrahymena  |
| 314 | 66.5 | 13.4 | 602  | 2 | Q9D2V3_MOUSE | Q9D2V3 | mus musculus | 387 | 65   | 13.1 | 448  | 2 | Q8P7W2_XANCP | Q8P7W2 | xanthomonas  |
| 315 | 66.5 | 13.4 | 674  | 2 | Q8T4N9_STRPU | Q8T4N9 | strongyloce  | 388 | 65   | 13.1 | 448  | 2 | Q4UW87_XANCP | Q4UW87 | xanthomonas  |
| 316 | 66.5 | 13.4 | 714  | 1 | DLL1_RAT     | P97677 | rattus norv  | 389 | 65   | 13.1 | 481  | 2 | Q2WV02_CLOBE | Q2WV02 | clostridium  |
| 317 | 66.5 | 13.4 | 907  | 2 | Q4R1B4_LEUMA | Q4R1B4 | leucophaea   | 390 | 65   | 13.1 | 647  | 2 | Q1M7N7_RHL3  | Q1M7N7 | rhizobium 1  |
| 318 | 66.5 | 13.4 | 931  | 1 | Q61FT4_CAEBR | Q61FT4 | caenorhabdi  | 391 | 65   | 13.1 | 794  | 2 | Q8T4P0_LYTVA | Q8T4P0 | lytechinus   |
| 319 | 66.5 | 13.4 | 969  | 2 | Q8IV28_HUMAN | Q8IV28 | homo sapien  | 392 | 65   | 13.1 | 893  | 2 | Q9Y1Y3_9METZ | Q9Y1Y3 | ephydatia f  |
| 320 | 66.5 | 13.4 | 1180 | 2 | Q5CZ12_HUMAN | Q5CZ12 | homo sapien  | 393 | 65   | 13.1 | 1068 | 2 | Q6QHS4_STRPU | Q6QHS4 | strongyloce  |
| 321 | 66.5 | 13.4 | 1361 | 2 | Q9NGV2_DROME | Q9NGV2 | drosophila   | 394 | 65   | 13.1 | 1123 | 2 | Q4H346_CIOIN | Q4H346 | ciona        |
| 322 | 66.5 | 13.4 | 1361 | 2 | Q9V714_DROME | Q9V714 | drosophila   | 395 | 65   | 13.1 | 3133 | 1 | HMCT_BOMMO   | HMCT   | bombyx mori  |
| 323 | 66.5 | 13.4 | 1375 | 1 | NID2_HUMAN   | Q14112 | homo sapien  | 396 | 65   | 13.1 | 3481 | 2 | Q4DNC0_TRYCR | Q4DNC0 | trypanosoma  |

|     |      |      |       |   |              |                     |     |      |      |      |   |              |                    |
|-----|------|------|-------|---|--------------|---------------------|-----|------|------|------|---|--------------|--------------------|
| 397 | 65   | 13.1 | 4599  | 1 | LRPLB MOUSE  | 09j118 mus musculus | 470 | 64   | 12.9 | 1818 | 2 | Q2YI44 BLAGE | Q2yi44 biattella g |
| 398 | 65   | 13.1 | 23015 | 2 | Q81018 DROME | Q8ig18 drosophila   | 471 | 64   | 12.9 | 1914 | 2 | Q499U7 RAT   | Q499u7 rattus norv |
| 399 | 64.5 | 13.0 | 90    | 2 | Q5T9G3 HUMAN | Q5t9g3 homo sapien  | 472 | 64   | 12.9 | 2215 | 1 | SORL MOUSE   | Q88307 m sortilin- |
| 400 | 64.5 | 13.0 | 102   | 1 | TXCA CAEXX   | Q8mtx1 caecrostis   | 473 | 64   | 12.9 | 2215 | 2 | Q3UHM3 MOUSE | Q3uhm3 mus musculu |
| 401 | 64.5 | 13.0 | 134   | 2 | Q6ZR78 HUMAN | Q6zr78 homo sapien  | 474 | 64   | 12.9 | 2360 | 2 | Q7Y2P0 EIMMA | Q7y2p0 eimeria max |
| 402 | 64.5 | 13.0 | 170   | 2 | Q52VJ8 CIOIN | Q52vj8 ciona intes  | 475 | 64   | 12.9 | 2523 | 2 | Q612I1 CAEBR | Q612i1 caenorhabdi |
| 403 | 64.5 | 13.0 | 191   | 1 | Y064 TREPA   | Q83103 treponema p  | 476 | 64   | 12.9 | 2871 | 1 | FBNI_PIG     | Q8tvc36 sus scrofa |
| 404 | 64.5 | 13.0 | 245   | 2 | Q6ZT26 HUMAN | Q6zt26 homo sapien  | 477 | 64   | 12.9 | 3857 | 2 | Q88840 MOUSE | Q88840 mus musculu |
| 405 | 64.5 | 13.0 | 256   | 1 | FSTL3 MOUSE  | Q9eqt7 mus musculu  | 478 | 63.5 | 12.8 | 70   | 1 | Q615U9 ORYSA | Q9u323 conus betul |
| 406 | 64.5 | 13.0 | 256   | 2 | Q542M9 MOUSE | Q542m9 mus musculu  | 479 | 63.5 | 12.8 | 92   | 2 | Q615U9 ORYSA | Q615u9 oryza sativ |
| 407 | 64.5 | 13.0 | 325   | 2 | Q614Z3 CAEBR | Q614z3 caenorhabdi  | 480 | 63.5 | 12.8 | 208  | 2 | Q2HJ99 9MYRI | Q2hj99 strigamia m |
| 408 | 64.5 | 13.0 | 337   | 2 | Q8NHD3 HUMAN | Q8nhd3 homo sapien  | 481 | 63.5 | 12.8 | 240  | 1 | KCP3 RAT     | Q497b3 rattus norv |
| 409 | 64.5 | 13.0 | 342   | 2 | Q8NHD5 HUMAN | Q8nhd5 homo sapien  | 482 | 63.5 | 12.8 | 320  | 2 | Q9PUK3 CHICK | Q9puk3 gallus gall |
| 410 | 64.5 | 13.0 | 375   | 2 | Q7PR44 ANOGA | Q7pr44 anopheles g  | 483 | 63.5 | 12.8 | 349  | 2 | Q28KF2 JANSC | Q28kf2 jannaschia  |
| 411 | 64.5 | 13.0 | 546   | 2 | Q3UHW9 MOUSE | Q3uyw9 mus musculu  | 484 | 63.5 | 12.8 | 362  | 2 | Q5PVN4 CHICK | Q5pvn4 gallus gall |
| 412 | 64.5 | 13.0 | 569   | 2 | Q8NHD4 HUMAN | Q8nhd4 homo sapien  | 485 | 63.5 | 12.8 | 407  | 2 | Q5TV39 ANOGA | Q5tv39 anopheles g |
| 413 | 64.5 | 13.0 | 656   | 1 | MEGF6 MOUSE  | Q8nhd2 mus musculu  | 486 | 63.5 | 12.8 | 460  | 2 | Q5SY22 HUMAN | Q5sy22 homo sapien |
| 414 | 64.5 | 13.0 | 744   | 2 | Q8NHD2 HUMAN | Q8nhd2 homo sapien  | 487 | 63.5 | 12.8 | 536  | 2 | Q5RG03 BRARE | Q5rg03 brachydanio |
| 415 | 64.5 | 13.0 | 744   | 2 | Q7Q8A1 ANOGA | Q7q8a1 anopheles g  | 488 | 63.5 | 12.8 | 542  | 2 | Q17H65 AEDAE | Q17h65 aedes aegyp |
| 416 | 64.5 | 13.0 | 772   | 2 | Q4QB18 LEIMA | Q4qyb8 leishmania   | 489 | 63.5 | 12.8 | 728  | 2 | Q17H65 AEDAE | Q17h65 aedes aegyp |
| 417 | 64.5 | 13.0 | 804   | 2 | Q7TPT4 MOUSE | Q7tpt4 mus musculu  | 490 | 63.5 | 12.8 | 739  | 2 | Q17AY8 AEDAE | Q17ay8 aedes aegyp |
| 418 | 64.5 | 13.0 | 830   | 1 | SREC HUMAN   | Q4162 homo sapien   | 491 | 63.5 | 12.8 | 747  | 2 | Q4DFR4 TRYCR | Q4dfr4 trypanosoma |
| 419 | 64.5 | 13.0 | 841   | 2 | Q4YVB8 PLABE | Q4yvb8 plasmodium   | 492 | 63.5 | 12.8 | 747  | 2 | Q8VHF4 MOUSE | Q8vhf4 mus musculu |
| 420 | 64.5 | 13.0 | 853   | 2 | Q8M724 PLAF7 | Q8m724 plasmodium   | 493 | 63.5 | 12.8 | 841  | 1 | TS1R1 HUMAN  | Q7rtx1 homo sapien |
| 421 | 64.5 | 13.0 | 853   | 2 | Q8M724 PLAF7 | Q8m724 plasmodium   | 494 | 63.5 | 12.8 | 841  | 1 | TS1R1 HUMAN  | Q7rtx1 homo sapien |
| 422 | 64.5 | 13.0 | 873   | 2 | Q8QGN9 BRARE | Q8qgn9 brachydanio  | 495 | 63.5 | 12.8 | 847  | 2 | Q8JVB9 9VIRU | Q8jvb9 penicillium |
| 423 | 64.5 | 13.0 | 987   | 2 | Q6XLI8 CALJA | Q6xli8 callitrix    | 496 | 63.5 | 12.8 | 871  | 2 | Q626H3 CAEBR | Q626h3 caenorhabdi |
| 424 | 64.5 | 13.0 | 1021  | 2 | Q3UGU1 MOUSE | Q3ugul mus musculu  | 497 | 63.5 | 12.8 | 898  | 2 | Q60UE2 CAEBR | Q60ue2 caenorhabdi |
| 425 | 64.5 | 13.0 | 1051  | 2 | Q5U4U1 XENLA | Q5u4u1 xenopus lae  | 498 | 63.5 | 12.8 | 898  | 2 | Q3URX7 MOUSE | Q3urx7 mus musculu |
| 426 | 64.5 | 13.0 | 1062  | 2 | Q3UG73 MOUSE | Q3ug73 mus musculu  | 499 | 63.5 | 12.8 | 1004 | 2 | Q8CGA7 MOUSE | Q8cga7 mus musculu |
| 427 | 64.5 | 13.0 | 1147  | 2 | Q6DIB5 MOUSE | Q6dib5 mus musculu  | 500 | 63.5 | 12.8 | 1034 | 2 | Q8VHL7 MOUSE | Q8vhl7 mus musculu |
| 428 | 64.5 | 13.0 | 1211  | 2 | Q383K6 9TRYP | Q383k6 trypanosoma  | 501 | 63.5 | 12.8 | 1034 | 2 | Q8VHL7 MOUSE | Q8vhl7 mus musculu |
| 429 | 64.5 | 13.0 | 1212  | 2 | Q90YD2 XENLA | Q90yd2 xenopus lae  | 502 | 63.5 | 12.8 | 1054 | 2 | Q23JW8 TETH  | Q23jw8 tetrahymena |
| 430 | 64.5 | 13.0 | 1216  | 2 | Q5TZK7 BRARE | Q5tzk7 brachydanio  | 503 | 63.5 | 12.8 | 1285 | 1 | CRUM2 HUMAN  | Q5s3n1 salmo salar |
| 431 | 64.5 | 13.0 | 1216  | 2 | Q90YF5 BRARE | Q90yf5 brachydanio  | 504 | 63.5 | 12.8 | 1505 | 2 | Q5S3N1 SALSA | Q5s3n1 salmo salar |
| 432 | 64.5 | 13.0 | 1254  | 2 | Q5TZK8 BRARE | Q5tzk8 brachydanio  | 505 | 63.5 | 12.8 | 1519 | 2 | Q8WPN0 OIKDI | Q8wpn0 oikopleura  |
| 433 | 64.5 | 13.0 | 1254  | 2 | Q90YX6 BRARE | Q90yx6 brachydanio  | 506 | 63.5 | 12.8 | 1687 | 2 | Q22QK0 TETH  | Q22qk0 tetrahymena |
| 434 | 64.5 | 13.0 | 1254  | 2 | Q90YX2 BRARE | Q90yux2 brachydanio | 507 | 63.5 | 12.8 | 1827 | 2 | Q8JHV6 BRARE | Q8jhv6 brachydanio |
| 435 | 64.5 | 13.0 | 1257  | 2 | Q75412 HUMAN | Q75412 homo sapien  | 508 | 63.5 | 12.8 | 1827 | 2 | Q8JHV6 BRARE | Q8jhv6 brachydanio |
| 436 | 64.5 | 13.0 | 1587  | 2 | Q00508 HUMAN | Q00508 homo sapien  | 509 | 63.5 | 12.8 | 3695 | 2 | Q3UHE3 MOUSE | Q3uhh3 m 14 days p |
| 437 | 64.5 | 13.0 | 1624  | 2 | Q75413 HUMAN | Q75413 homo sapien  | 510 | 63.5 | 12.8 | 3695 | 2 | Q3UHE3 MOUSE | Q3uhh3 m 14 days p |
| 438 | 64.5 | 13.0 | 1637  | 2 | Q29CV8 DROPS | Q29cv8 drosophila   | 511 | 63.5 | 12.8 | 3707 | 2 | Q8TDF8 HUMAN | Q8tdf8 homo sapien |
| 439 | 64.5 | 13.0 | 1722  | 2 | Q19350 CAEBL | Q19350 caenorhabdi  | 512 | 63   | 12.7 | 3707 | 2 | Q8TDF8 HUMAN | Q8tdf8 homo sapien |
| 440 | 64.5 | 13.0 | 2214  | 1 | SORL HUMAN   | Q926f7 h sortilin-  | 513 | 63   | 12.7 | 3707 | 2 | Q8TDF8 HUMAN | Q8tdf8 homo sapien |
| 441 | 64.5 | 13.0 | 3718  | 1 | LAMA5 MOUSE  | Q61001 mus musculu  | 514 | 63   | 12.7 | 371  | 2 | CHHB1 BOMMO  | Q5u215 rattus norv |
| 442 | 64   | 12.9 | 81    | 2 | Q54HF8 DICDI | Q54hf8 dictyosteli  | 515 | 63   | 12.7 | 371  | 2 | CHHB1 BOMMO  | Q5u215 rattus norv |
| 443 | 64   | 12.9 | 84    | 2 | Q5D231 HADSP | Q5d231 hadronyche   | 516 | 63   | 12.7 | 394  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 444 | 64   | 12.9 | 90    | 2 | Q5D233 HADIN | Q5d233 hadronyche   | 517 | 63   | 12.7 | 456  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 445 | 64   | 12.9 | 116   | 2 | Q5Q981 IXOSC | Q5q981 ixodes scap  | 518 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 446 | 64   | 12.9 | 117   | 2 | Q5YD41 AERPE | Q5yvd41 aeropyrum p | 519 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 447 | 64   | 12.9 | 146   | 1 | TXVE TRIFL   | P67862 trimeresuru  | 520 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 448 | 64   | 12.9 | 163   | 2 | Q4SFU4 TETNG | Q4sfu4 tetraodon n  | 521 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 449 | 64   | 12.9 | 217   | 2 | Q7A9B9 ECO57 | Q7a9b9 escherichia  | 522 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 450 | 64   | 12.9 | 217   | 2 | Q85613 ECOLI | Q85613 escherichia  | 523 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 451 | 64   | 12.9 | 225   | 2 | Q8KCA3 ECO57 | Q8kca3 escherichia  | 524 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 452 | 64   | 12.9 | 239   | 2 | Q1FAJ6 9CHLR | Q1faj6 roseiflexus  | 525 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 453 | 64   | 12.9 | 274   | 2 | Q7Q9J3 ANOGA | Q7q9j3 anopheles g  | 526 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 454 | 64   | 12.9 | 286   | 2 | Q5CAG5 ORYSA | Q5cag9 oryza sativ  | 527 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 455 | 64   | 12.9 | 315   | 2 | Q616A1 CAEBR | Q616a1 caenorhabdi  | 528 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 456 | 64   | 12.9 | 322   | 2 | Q616A1 CAEBR | Q616a1 caenorhabdi  | 529 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 457 | 64   | 12.9 | 322   | 2 | Q20CF5 PETMA | Q20cf5 petromyzon   | 530 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 458 | 64   | 12.9 | 368   | 2 | Q2BR21 LACRE | Q2brz1 lactobacill  | 531 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 459 | 64   | 12.9 | 425   | 1 | TNR16 RAT    | P07174 rattus norv  | 532 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 460 | 64   | 12.9 | 581   | 2 | Q5LU50 SILPO | Q5lu50 silicibacte  | 533 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 461 | 64   | 12.9 | 587   | 1 | U84 HCWT     | Q29839 human cytom  | 534 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 462 | 64   | 12.9 | 602   | 2 | Q3UAG3 MOUSE | Q3uaq3 mus musculu  | 535 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 463 | 64   | 12.9 | 602   | 2 | Q3UD85 MOUSE | Q3ud85 mus musculu  | 536 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 464 | 64   | 12.9 | 657   | 2 | Q4PIC7 USTMA | Q4pic7 ustilago ma  | 537 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 465 | 64   | 12.9 | 983   | 2 | Q4T849 TETNG | Q4t849 tetraodon n  | 538 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 466 | 64   | 12.9 | 1037  | 2 | Q3UV32 MOUSE | Q3uv32 mus musculu  | 539 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 467 | 64   | 12.9 | 1143  | 2 | Q21010 CAEBL | Q21010 caenorhabdi  | 540 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 468 | 64   | 12.9 | 1144  | 1 | MAZAI HUMAN  | Q16706 homo sapien  | 541 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |
| 469 | 64   | 12.9 | 1145  | 2 | Q2PJ74 CAEBL | Q2pj74 caenorhabdi  | 542 | 63   | 12.7 | 474  | 2 | Q5U215 RAT   | Q5u215 rattus norv |

|     |      |      |      |   |        |        |        |              |     |      |      |      |   |        |        |        |              |        |              |
|-----|------|------|------|---|--------|--------|--------|--------------|-----|------|------|------|---|--------|--------|--------|--------------|--------|--------------|
| 543 | 63   | 12.7 | 2378 | 2 | Q4RW31 | TETNG  | Q4RW31 | tetraodon n  | 616 | 62   | 12.4 | 469  | 2 | Q5BLE3 | BRARE  | Q5BLE3 | brachydanio  | Q5BLE3 | brachydanio  |
| 544 | 63   | 12.7 | 2468 | 2 | Q800E4 | BRARE  | Q800E4 | brachydanio  | 617 | 62   | 12.4 | 476  | 2 | Q8R1H9 | MOUSE  | Q8R1H9 | mus musculus | Q8R1H9 | mus musculus |
| 545 | 63   | 12.7 | 2825 | 1 | Q704E5 | MOUSE  | Q704E5 | mus musculus | 618 | 62   | 12.4 | 491  | 2 | P90850 | CAEEL  | P90850 | caenorhabdi  | P90850 | caenorhabdi  |
| 546 | 63   | 12.7 | 2871 | 1 | FEN1   | BOVIN  | FEN1   | bos taurus   | 619 | 62   | 12.4 | 493  | 2 | Q7NG6  | MOUSE  | Q7NG6  | mus musculus | Q7NG6  | mus musculus |
| 547 | 62.5 | 12.6 | 158  | 1 | KAB3   | OLDAF  | P58455 | oldenlandia  | 620 | 62   | 12.4 | 583  | 2 | Q1EG87 | PIG    | Q1EG87 | sus scrofa   | Q1EG87 | sus scrofa   |
| 548 | 62.5 | 12.6 | 169  | 2 | Q3TRB8 | MOUSE  | Q3TRB8 | m adult mal  | 621 | 62   | 12.4 | 585  | 2 | Q17EL8 | AEDAE  | Q17EL8 | aedes aegyp  | Q17EL8 | aedes aegyp  |
| 549 | 62.5 | 12.6 | 220  | 2 | Q63404 | RAT    | Q63404 | rattus norv  | 622 | 62   | 12.4 | 592  | 2 | Q6IS34 | MOUSE  | Q6IS34 | mus musculus | Q6IS34 | mus musculus |
| 550 | 62.5 | 12.6 | 237  | 2 | Q1VKN0 | FLAC   | Q1VKN0 | psychroflex  | 623 | 62   | 12.4 | 601  | 2 | Q52KT2 | XENLA  | Q52KT2 | xenopus lae  | Q52KT2 | xenopus lae  |
| 551 | 62.5 | 12.6 | 286  | 2 | Q6IKY7 | DROME  | Q6IKY7 | drosophila   | 624 | 62   | 12.4 | 615  | 2 | Q58E52 | MOUSE  | Q58E52 | mus musculus | Q58E52 | mus musculus |
| 552 | 62.5 | 12.6 | 315  | 2 | Q56GU1 | CANFA  | Q56GU1 | canis famil  | 625 | 62   | 12.4 | 625  | 2 | Q8JQF9 | 9VIRU  | Q8JQF9 | adeno-associ | Q8JQF9 | adeno-associ |
| 553 | 62.5 | 12.6 | 352  | 2 | Q3MZ10 | 9DELTA | Q3MZ10 | syntrophoba  | 626 | 62   | 12.4 | 637  | 2 | Q8R0K8 | MOUSE  | Q8R0K8 | mus musculus | Q8R0K8 | mus musculus |
| 554 | 62.5 | 12.6 | 360  | 2 | Q8YQT4 | ANASP  | Q8YQT4 | anabaena sp  | 627 | 62   | 12.4 | 737  | 2 | Q8JZM4 | MOUSE  | Q8JZM4 | mus musculus | Q8JZM4 | mus musculus |
| 555 | 62.5 | 12.6 | 360  | 2 | Q3MCS3 | ANAVT  | Q3MCS3 | anabaena va  | 628 | 62   | 12.4 | 737  | 2 | Q8VD97 | MOUSE  | Q8VD97 | mus musculus | Q8VD97 | mus musculus |
| 556 | 62.5 | 12.6 | 369  | 2 | Q565Y9 | 9BACT  | Q565Y9 | uncultured   | 629 | 62   | 12.4 | 772  | 2 | DLLA   | BRARE  | DLLA   | brachydanio  | Q6DI48 | brachydanio  |
| 557 | 62.5 | 12.6 | 378  | 2 | Q510R0 | XENTR  | Q510R0 | xenopus tro  | 630 | 62   | 12.4 | 885  | 2 | Q7R1C5 | GIALA  | Q7R1C5 | giardia lam  | Q7R1C5 | giardia lam  |
| 558 | 62.5 | 12.6 | 426  | 2 | Q6TMJ6 | DICDI  | Q6TMJ6 | dictyosteli  | 631 | 62   | 12.4 | 924  | 2 | Q244S7 | TETTH  | Q244S7 | tetrahymena  | P54753 | tetrahymena  |
| 559 | 62.5 | 12.6 | 426  | 2 | Q55FY2 | DICDI  | Q55FY2 | dictyosteli  | 632 | 62   | 12.4 | 998  | 1 | EPHB3  | HUMAN  | EPHB3  | homo sapien  | P54753 | homo sapien  |
| 560 | 62.5 | 12.6 | 458  | 2 | Q1S159 | MEDTR  | Q1S159 | medicago tr  | 633 | 62   | 12.4 | 1047 | 2 | Q566K6 | MOUSE  | Q566K6 | mus musculus | Q566K6 | mus musculus |
| 561 | 62.5 | 12.6 | 558  | 2 | Q2HCHO | CHAGB  | Q2HCHO | chaetomium   | 634 | 62   | 12.4 | 1065 | 2 | Q810H2 | MOUSE  | Q810H2 | mus musculus | Q810H2 | mus musculus |
| 562 | 62.5 | 12.6 | 567  | 2 | Q8WUL3 | HUMAN  | Q8WUL3 | homo sapien  | 635 | 62   | 12.4 | 1113 | 1 | CORIN  | MOUSE  | CORIN  | mus musculus | Q92319 | mus musculus |
| 563 | 62.5 | 12.6 | 567  | 2 | Q3GL37 | 9DELTA | Q3GL37 | peilobacter  | 636 | 62   | 12.4 | 1170 | 1 | TSP1   | HUMAN  | TSP1   | homo sapien  | P07996 | homo sapien  |
| 564 | 62.5 | 12.6 | 607  | 2 | Q1KXY5 | MYXGL  | Q1KXY5 | myxine glut  | 637 | 62   | 12.4 | 1170 | 1 | TSP1   | MOUSE  | TSP1   | mus musculus | P35441 | mus musculus |
| 565 | 62.5 | 12.6 | 645  | 2 | Q02261 | CAEEL  | Q02261 | caenorhabdi  | 638 | 62   | 12.4 | 1170 | 2 | Q71S33 | RAT    | Q71S33 | rattus norv  | Q71S33 | rattus norv  |
| 566 | 62.5 | 12.6 | 665  | 2 | Q1PHR4 | SACKO  | Q1PHR4 | saccoglossu  | 639 | 62   | 12.4 | 1170 | 2 | Q3TR40 | MOUSE  | Q3TR40 | mus musculus | Q3TR40 | mus musculus |
| 567 | 62.5 | 12.6 | 668  | 2 | Q4S8K6 | TETNG  | Q4S8K6 | tetraodon n  | 640 | 62   | 12.4 | 1171 | 2 | Q80YQ1 | MOUSE  | Q80YQ1 | mus musculus | Q80YQ1 | mus musculus |
| 568 | 62.5 | 12.6 | 880  | 1 | CADHF  | XENLA  | P33148 | xenopus lae  | 641 | 62   | 12.4 | 1171 | 2 | Q8CGB2 | MOUSE  | Q8CGB2 | mus musculus | Q8CGB2 | mus musculus |
| 569 | 62.5 | 12.6 | 919  | 2 | Q298E4 | DROPS  | Q298E4 | drosophila   | 642 | 62   | 12.4 | 1174 | 2 | Q99K58 | MOUSE  | Q99K58 | mus musculus | Q99K58 | mus musculus |
| 570 | 62.5 | 12.6 | 925  | 2 | Q9UB95 | CAEEL  | Q9UB95 | caenorhabdi  | 643 | 62   | 12.4 | 1174 | 2 | Q3TGL4 | MOUSE  | Q3TGL4 | mus musculus | Q3TGL4 | mus musculus |
| 571 | 62.5 | 12.6 | 996  | 2 | Q16ZG2 | AEDAE  | Q16ZG2 | aedes aegyp  | 644 | 62   | 12.4 | 1205 | 2 | Q8KOP6 | MOUSE  | Q8KOP6 | mus musculus | Q8KOP6 | mus musculus |
| 572 | 62.5 | 12.6 | 1031 | 2 | Q42124 | CHICK  | Q42124 | gallus gall  | 645 | 62   | 12.4 | 1221 | 1 | FELN2  | MOUSE  | FELN2  | mus musculus | P37889 | mus musculus |
| 573 | 62.5 | 12.6 | 1140 | 2 | Q68DE5 | HUMAN  | Q68DE5 | homo sapien  | 646 | 62   | 12.4 | 1225 | 2 | Q59E99 | HUMAN  | Q59E99 | homo sapien  | Q59E99 | homo sapien  |
| 574 | 62.5 | 12.6 | 1140 | 2 | Q96KG7 | HUMAN  | Q96KG7 | homo sapien  | 647 | 62   | 12.4 | 1308 | 2 | Q9GPM8 | CAEEL  | Q9GPM8 | caenorhabdi  | Q9GPM8 | caenorhabdi  |
| 575 | 62.5 | 12.6 | 1245 | 2 | Q9Y7V5 | TRIHA  | Q9Y7V5 | trichoderma  | 648 | 62   | 12.4 | 1361 | 2 | Q6PD18 | MOUSE  | Q6PD18 | mus musculus | Q6PD18 | mus musculus |
| 576 | 62.5 | 12.6 | 1280 | 2 | Q6OYB8 | CAEEL  | Q6OYB8 | caenorhabdi  | 649 | 62   | 12.4 | 1403 | 2 | Q70E20 | MOUSE  | Q70E20 | mus musculus | Q70E20 | mus musculus |
| 577 | 62.5 | 12.6 | 1294 | 2 | Q8C622 | MOUSE  | Q8C622 | mus musculus | 650 | 62   | 12.4 | 1595 | 2 | Q1EHB3 | RAT    | Q1EHB3 | rattus norv  | Q1EHB3 | rattus norv  |
| 578 | 62.5 | 12.6 | 1403 | 1 | NID2   | MOUSE  | Q88322 | mus musculus | 651 | 62   | 12.4 | 1808 | 2 | Q1XD63 | RAT    | Q1XD63 | rattus norv  | Q1XD63 | rattus norv  |
| 579 | 62.5 | 12.6 | 1403 | 2 | Q3TFN0 | MOUSE  | Q3TFN0 | mus musculus | 652 | 62   | 12.4 | 1813 | 1 | LTBP2  | MOUSE  | LTBP2  | mus musculus | Q88999 | mus musculus |
| 580 | 62.5 | 12.6 | 1403 | 2 | Q3US45 | MOUSE  | Q3US45 | mus musculus | 653 | 62   | 12.4 | 1935 | 2 | Q6QHS3 | LYTIVA | Q6QHS3 | lytechinus   | Q6QHS3 | lytechinus   |
| 581 | 62.5 | 12.6 | 1403 | 2 | Q7TQF0 | MOUSE  | Q7TQF0 | mus musculus | 654 | 62   | 12.4 | 2043 | 2 | Q4Q510 | LEIMA  | Q4Q510 | leishmania   | Q4Q510 | leishmania   |
| 582 | 62.5 | 12.6 | 1403 | 2 | Q8CFA3 | MOUSE  | Q8CFA3 | mus musculus | 655 | 62   | 12.4 | 2067 | 2 | Q59ED8 | HUMAN  | Q59ED8 | homo sapien  | Q59ED8 | homo sapien  |
| 583 | 62.5 | 12.6 | 1403 | 2 | Q8R5G0 | MOUSE  | Q8R5G0 | mus musculus | 656 | 62   | 12.4 | 2282 | 1 | ZAN    | RABIT  | ZAN    | homo sapien  | Q59ED8 | homo sapien  |
| 584 | 62.5 | 12.6 | 1514 | 2 | Q29BH5 | DROPS  | Q29BH5 | drosophila   | 657 | 62   | 12.4 | 2437 | 1 | NOTC1  | BRARE  | NOTC1  | brachydanio  | P46530 | brachydanio  |
| 585 | 62.5 | 12.6 | 1713 | 2 | Q5RH37 | BRARE  | Q5RH37 | brachydanio  | 658 | 62   | 12.4 | 2511 | 2 | Q4T9V2 | TETNG  | Q4T9V2 | tetraodon n  | Q4T9V2 | tetraodon n  |
| 586 | 62.5 | 12.6 | 1732 | 2 | Q1LX17 | BRARE  | Q1LX17 | brachydanio  | 659 | 62   | 12.4 | 2555 | 2 | Q5SXM3 | HUMAN  | Q5SXM3 | homo sapien  | Q5SXM3 | homo sapien  |
| 587 | 62.5 | 12.6 | 2525 | 2 | Q4QHT5 | LEIMA  | Q4QHT5 | leishmania   | 660 | 62   | 12.4 | 2556 | 1 | NOTC1  | HUMAN  | NOTC1  | homo sapien  | P46531 | homo sapien  |
| 588 | 62.5 | 12.6 | 2632 | 2 | Q16UT3 | AEDAE  | Q16UT3 | aedes aegyp  | 661 | 62   | 12.4 | 5141 | 1 | SSPO   | RAT    | SSPO   | rattus norv  | Q700K0 | rattus norv  |
| 589 | 62.5 | 12.6 | 3224 | 2 | Q4RVG6 | TETNG  | Q4RVG6 | tetraodon n  | 662 | 61.5 | 12.3 | 83   | 2 | Q9XXT6 | CAEEL  | Q9XXT6 | caenorhabdi  | Q9XXT6 | caenorhabdi  |
| 590 | 62.5 | 12.6 | 5179 | 1 | MUC2   | HUMAN  | Q02817 | homo sapien  | 663 | 61.5 | 12.3 | 110  | 1 | LCE2D  | HUMAN  | LCE2D  | homo sapien  | Q52VH7 | ciona intes  |
| 591 | 62   | 12.4 | 92   | 2 | Q2MCN6 | HYDAT  | Q2MCN6 | hydra atten  | 664 | 61.5 | 12.3 | 128  | 2 | Q52VH7 | CIOIN  | Q52VH7 | ciona intes  | Q52VH7 | ciona intes  |
| 592 | 62   | 12.4 | 93   | 2 | Q31318 | HYDMA  | Q31318 | hydra magni  | 665 | 61.5 | 12.3 | 159  | 2 | Q7XZ75 | GRUJA  | Q7XZ75 | griffithsia  | Q7XZ75 | griffithsia  |
| 593 | 62   | 12.4 | 100  | 1 | VP52   | BPAPS  | Q9T1P6 | bacterioph   | 666 | 61.5 | 12.3 | 166  | 1 | ZCH13  | HUMAN  | ZCH13  | homo sapien  | Q8W36  | homo sapien  |
| 594 | 62   | 12.4 | 100  | 1 | Q3LZQ0 | 9CAUD  | Q3LZQ0 | acrythosiph  | 667 | 61.5 | 12.3 | 176  | 2 | Q87WA2 | PSISM  | Q87WA2 | pseudomonas  | Q87WA2 | pseudomonas  |
| 595 | 62   | 12.4 | 110  | 1 | LCE2C  | HUMAN  | Q9TA81 | homo sapien  | 668 | 61.5 | 12.3 | 190  | 2 | Q3ZDR4 | PIG    | Q3ZDR4 | sus scrofa   | Q3ZDR4 | sus scrofa   |
| 596 | 62   | 12.4 | 174  | 2 | Q9NZN0 | BOMMO  | P20730 | bombyx mori  | 669 | 61.5 | 12.3 | 228  | 2 | Q1NG9  | 9PARA  | Q1NG9  | tioman viru  | Q1NG9  | tioman viru  |
| 597 | 62   | 12.4 | 178  | 1 | CHBE2  | BOMMO  | Q8PPR1 | xanthomonas  | 670 | 61.5 | 12.3 | 277  | 1 | TNR4   | HUMAN  | TNR4   | homo sapien  | P43489 | homo sapien  |
| 598 | 62   | 12.4 | 178  | 2 | Q8PPR1 | XANAC  | Q8PPR1 | xanthomonas  | 671 | 61.5 | 12.3 | 277  | 2 | Q2M3I2 | HUMAN  | Q2M3I2 | homo sapien  | Q2M3I2 | homo sapien  |
| 599 | 62   | 12.4 | 211  | 2 | Q4HBQ4 | CANFA  | Q4HBQ4 | canis famil  | 672 | 61.5 | 12.3 | 350  | 2 | Q20CF4 | FEITWA | Q20CF4 | petromyzon   | Q20CF4 | petromyzon   |
| 600 | 62   | 12.4 | 212  | 2 | Q45XK0 | HUMAN  | Q45XK0 | homo sapien  | 673 | 61.5 | 12.3 | 351  | 2 | Q2QTH8 | ORYZA  | Q2QTH8 | oryza sativ  | Q2QTH8 | oryza sativ  |
| 601 | 62   | 12.4 | 217  | 2 | Q7XZ34 | GRUJA  | Q7XZ34 | griffithsia  | 674 | 61.5 | 12.3 | 368  | 2 | Q82VZ2 | NITEU  | Q82VZ2 | nitrosomona  | Q82VZ2 | nitrosomona  |
| 602 | 62   | 12.4 | 222  | 2 | Q3U697 | MOUSE  | Q3U697 | m bone marr  | 675 | 61.5 | 12.3 | 373  | 2 | Q5SNS5 | BRARE  | Q5SNS5 | brachydanio  | Q5SNS5 | brachydanio  |
| 603 | 62   | 12.4 | 240  | 2 | Q219M8 | RHOPE  | Q219M8 | rhodopseudo  | 676 | 61.5 | 12.3 | 408  | 2 | Q29K93 | DROPS  | Q29K93 | drosophila   | Q29K93 | drosophila   |
| 604 | 62   | 12.4 | 243  | 2 | Q4TDM7 | TETNG  | Q4TDM7 | tetraodon n  | 677 | 61.5 | 12.3 | 452  | 2 | Q5ISL2 | NACFA  | Q5ISL2 | macaca fasc  | Q5ISL2 | macaca fasc  |
| 605 | 62   | 12.4 | 258  | 2 | Q9ZS48 | TOBAC  | Q9ZS48 | nicotiana t  | 678 | 61.5 | 12.3 | 469  | 2 | Q52V41 | CIOIN  | Q52V41 | ciona intes  | Q52V41 | ciona intes  |
| 606 | 62   | 12.4 | 282  | 1 | END4   | DESIVH | Q72C99 | desulfovibr  | 679 | 61.5 | 12.3 | 587  | 2 | Q5C3P1 | SCHJA  | Q5C3P1 | schistosoma  | Q5C3P1 | schistosoma  |
| 607 | 62   | 12.4 | 306  | 2 | Q2KJ78 | BOVIN  | Q2KJ78 | bos taurus   | 680 | 61.5 | 12.3 | 659  | 2 | Q1Q4X4 | 9BACT  | Q1Q4X4 | 9BACT        | Q1Q4X4 | 9BACT        |
| 608 | 62   | 12.4 | 311  | 2 | Q8RJG8 | MOUSE  | Q8RJG8 | mus musculus | 681 | 61.5 | 12.3 | 720  | 2 | Q2U3I8 | ASPOR  | Q2U3I8 | aspergillus  | Q2U3I8 | aspergillus  |
| 609 | 62   | 12.4 | 315  | 2 | Q4U3E1 | HUMAN  | Q4U3E1 | homo sapien  | 682 | 61.5 | 12.3 | 735  | 2 | Q498M5 | RAT    | Q498M5 | rattus norv  | Q498M5 | rattus norv  |
| 610 | 62   | 12.4 | 363  | 2 | Q1CYN7 | MYXXA  | Q1CYN7 | myxococcus   | 683 | 61.5 | 12.3 | 774  | 2 | Q3SEM2 | PART   | Q3SEM2 | paramecium   | Q3SEM2 | paramecium   |
| 611 | 62   | 12.4 | 383  | 2 | Q969Y6 | HUMAN  | Q969Y6 | homo sapien  | 684 | 61.5 | 12.3 | 774  | 2 | Q3SEM3 | PART   | Q3SEM3 | paramecium   | Q3SEM3 | paramecium   |
| 612 | 62   | 12.4 | 388  | 2 | Q66JK7 | XENTR  | Q66JK7 | xenopus tro  | 685 | 61.5 | 12.3 | 782  | 2 | Q7PD52 | PLAYO  | Q7PD52 | plasmodium   | Q7PD52 | plasmodium   |
| 613 | 62   | 12.4 | 389  | 2 | Q8R226 | MOUSE  | Q8R226 | mus musculus |     |      |      |      |   |        |        |        |              |        |              |

|     |      |      |      |   |              |                    |     |      |      |      |   |              |                      |
|-----|------|------|------|---|--------------|--------------------|-----|------|------|------|---|--------------|----------------------|
| 689 | 61.5 | 12.3 | 932  | 2 | Q5V4N8_RAT   | Q5V4N8 rattus norv | 762 | 61   | 12.2 | 1162 | 2 | Q2Q422_CANFA | Q2Q422 canis famil   |
| 690 | 61.5 | 12.3 | 941  | 2 | Q54YPO_DICDI | Q54YPO dictyosteli | 763 | 61   | 12.2 | 1212 | 2 | Q42347_CHICK | Q42347 gallus gall   |
| 691 | 61.5 | 12.3 | 1045 | 2 | Q8T3A6_CABEL | Q8T3A6 caenorhabdi | 764 | 61   | 12.2 | 1249 | 2 | Q8VI66_RAT   | Q8VI66 rattus norv   |
| 692 | 61.5 | 12.3 | 1070 | 2 | Q8T3A7_CABEL | Q8T3A7 caenorhabdi | 765 | 61   | 12.2 | 1396 | 2 | Q4RRY1_TETNG | Q4RRY1 tetraodon n   |
| 693 | 61.5 | 12.3 | 1111 | 2 | Q9XWD6_CABEL | Q9XWD6 caenorhabdi | 766 | 61   | 12.2 | 1418 | 2 | Q93457_SCOMX | Q93457 scophthalmu   |
| 694 | 61.5 | 12.3 | 1124 | 2 | Q23GM4_TETTH | Q23GM4 tetrahymena | 767 | 61   | 12.2 | 1476 | 2 | Q90285_CARAU | Q90285 carassius a   |
| 695 | 61.5 | 12.3 | 1179 | 2 | Q23GM4_TETTH | Q23GM4 medicago tr | 768 | 61   | 12.2 | 1599 | 2 | Q09983_CABEL | Q09983 caenorhabdi   |
| 696 | 61.5 | 12.3 | 1267 | 2 | Q2EG68_PONPY | Q2EG68 pongo pygma | 769 | 61   | 12.2 | 1624 | 2 | Q17AS8_AEDAE | Q17AS8 aedes aegyp   |
| 697 | 61.5 | 12.3 | 1316 | 2 | Q96JU7_HUMAN | Q96JU7 homo sapien | 770 | 61   | 12.2 | 1790 | 2 | Q55F41_DICDI | Q55F41 dictyosteli   |
| 698 | 61.5 | 12.3 | 1394 | 2 | Q8MST1_DROME | Q8MST1 drosophila  | 771 | 61   | 12.2 | 2476 | 1 | ZAN_PIG      | ZAN_PIG sus scrofa   |
| 699 | 61.5 | 12.3 | 1458 | 2 | Q1A5L1_BRARE | Q1A5L1 brachydanio | 772 | 61   | 12.2 | 2532 | 2 | Q629H6_CABER | Q629H6 caenorhabdi   |
| 700 | 61.5 | 12.3 | 1511 | 2 | Q9VB21_DROME | Q9VB21 drosophila  | 773 | 61   | 12.2 | 2806 | 2 | Q4DH79_TRYCR | Q4DH79 trypanosoma   |
| 701 | 61.5 | 12.3 | 1666 | 1 | LTBP4_MOUSE  | LTBP4 mus musculu  | 774 | 61   | 12.2 | 4998 | 1 | SSFO_MOUSE   | SSFO mus musculu     |
| 702 | 61.5 | 12.3 | 1687 | 2 | Q61204_MOUSE | Q61204 mus musculu | 775 | 61   | 12.2 | 5429 | 2 | Q16KQ8_AEDAE | Q16KQ8 aedes aegyp   |
| 703 | 61.5 | 12.3 | 1721 | 2 | Q614N6_CABER | Q614N6 caenorhabdi | 776 | 60.5 | 12.1 | 92   | 2 | Q8GXV9_ARATH | Q8GXV9 arabidopsis   |
| 704 | 61.5 | 12.3 | 2030 | 2 | Q9VXV3_DROME | Q9VXV3 drosophila  | 777 | 60.5 | 12.1 | 106  | 2 | Q9C111_LACIA | Q9C111 lactococcus   |
| 705 | 61.5 | 12.3 | 2224 | 2 | Q44131_CABEL | Q44131 caenorhabdi | 778 | 60.5 | 12.1 | 113  | 2 | Q83AQ5_ORYSA | Q83AQ5 oryza sativ   |
| 706 | 61.5 | 12.3 | 2277 | 2 | Q22JQ9_TETTH | Q22JQ9 tetrahymena | 779 | 60.5 | 12.1 | 129  | 2 | Q9YCE5_AERPE | Q9YCE5 aeropyrum p   |
| 707 | 61.5 | 12.3 | 2470 | 2 | NOTC2_MOUSE  | NOTC2 mus musculu  | 780 | 60.5 | 12.1 | 168  | 2 | Q8T229_TRYCR | Q8T229 trypanosoma   |
| 708 | 61.5 | 12.3 | 2471 | 1 | NOTC2_RAT    | NOTC2 rattus norv  | 781 | 60.5 | 12.1 | 181  | 2 | Q3F736_BURK  | Q3F736 burkholderi   |
| 709 | 61.5 | 12.3 | 2570 | 1 | STAB1_MOUSE  | STAB1 mus musculu  | 782 | 60.5 | 12.1 | 234  | 2 | Q5C033_SCHUA | Q5C033 schistosoma   |
| 710 | 61.5 | 12.3 | 2571 | 1 | Q4RMT7_TETNG | Q4RMT7 tetraodon n | 783 | 60.5 | 12.1 | 251  | 2 | Q2EFY6_ATEGE | Q2EFY6 atelasma geof |
| 711 | 61.5 | 12.3 | 2966 | 2 | Q22M95_TETTH | Q22M95 tetrahymena | 784 | 60.5 | 12.1 | 252  | 2 | Q2GLX9_CHAGB | Q2GLX9 chaetomium    |
| 712 | 61.5 | 12.3 | 3145 | 2 | LAMA3_MOUSE  | LAMA3 mus musculu  | 785 | 60.5 | 12.1 | 252  | 2 | Q2EG79_LAGIA | Q2EG79 lagochix 1    |
| 713 | 61.5 | 12.3 | 3333 | 1 | Q4E0C7_TRYCR | Q4E0C7 trypanosoma | 786 | 60.5 | 12.1 | 261  | 2 | Q39TH1_GEOMG | Q39TH1 geobacter m   |
| 714 | 61.5 | 12.3 | 3457 | 2 | Q5VTE4_HUMAN | Q5VTE4 homo sapien | 787 | 60.5 | 12.1 | 289  | 2 | Q1PG16_HYDSY | Q1PG16 hydractinia   |
| 715 | 61.5 | 12.3 | 3548 | 2 | Q4LDB5_HUMAN | Q4LDB5 homo sapien | 788 | 60.5 | 12.1 | 296  | 2 | Q5M8H8_XENTR | Q5M8H8 xenopus tro   |
| 716 | 61.5 | 12.3 | 3574 | 2 | Q4T3Y2_TETNG | Q4T3Y2 tetraodon n | 789 | 60.5 | 12.1 | 316  | 1 | IBP2_PIG     | IBP2 sus scrofa      |
| 717 | 61.5 | 12.3 | 4260 | 2 | Q9ND00_MOUSE | Q9ND00 mus musculu | 790 | 60.5 | 12.1 | 343  | 2 | Q17CJ7_AEDAE | Q17CJ7 aedes aegyp   |
| 718 | 61.5 | 12.3 | 5374 | 2 | Q9ND00_MOUSE | Q9ND00 mus musculu | 791 | 60.5 | 12.1 | 368  | 2 | Q86IM1_DICDI | Q86IM1 dictyosteli   |
| 719 | 61.5 | 12.3 | 5376 | 1 | ZAN_MOUSE    | ZAN mus musculu    | 792 | 60.5 | 12.1 | 383  | 2 | Q70534_RAT   | Q70534 rattus norv   |
| 720 | 61   | 12.2 | 104  | 2 | Q7X246_GRIUA | Q7X246 griffithsia | 793 | 60.5 | 12.1 | 383  | 2 | Q62779_RAT   | Q62779 ratuza sativ  |
| 721 | 61   | 12.2 | 111  | 1 | COL_MYOCO    | COL myocastor c    | 794 | 60.5 | 12.1 | 386  | 2 | Q53LE2_ORYSA | Q53LE2 oryza sativ   |
| 722 | 61   | 12.2 | 112  | 1 | COL_PIG      | COL pig            | 795 | 60.5 | 12.1 | 395  | 2 | Q55923_DICDI | Q55923 dictyosteli   |
| 723 | 61   | 12.2 | 115  | 1 | MERT_SHEPU   | MERT shewanella    | 796 | 60.5 | 12.1 | 401  | 2 | Q811K6_MOUSE | Q811K6 mus musculu   |
| 724 | 61   | 12.2 | 116  | 2 | Q5T6Z9_HUMAN | Q5T6Z9 homo sapien | 797 | 60.5 | 12.1 | 422  | 1 | Q96113_DROME | Q96113 drosophila    |
| 725 | 61   | 12.2 | 146  | 1 | TXVE_BOTIN   | TXVE bothrops in   | 798 | 60.5 | 12.1 | 469  | 2 | Q161L6_AEDAE | Q161L6 aedes aegyp   |
| 726 | 61   | 12.2 | 156  | 2 | Q29FD2_DROPS | Q29FD2 drosophila  | 799 | 60.5 | 12.1 | 515  | 1 | NAGPA_HUMAN  | NAGPA homo sapien    |
| 727 | 61   | 12.2 | 156  | 2 | Q21VF9_RHOP2 | Q21VF9 rhodopseude | 800 | 60.5 | 12.1 | 544  | 2 | Q161L6_AEDAE | Q161L6 aedes aegyp   |
| 728 | 61   | 12.2 | 173  | 2 | Q9R3J5_STRCO | Q9R3J5 streptomyce | 801 | 60.5 | 12.1 | 556  | 2 | Q5BW73_SCHUA | Q5BW73 schistosoma   |
| 729 | 61   | 12.2 | 205  | 2 | Q5T700_HUMAN | Q5T700 homo sapien | 802 | 60.5 | 12.1 | 637  | 2 | Q5VXW6_HUMAN | Q5VXW6 homo sapien   |
| 730 | 61   | 12.2 | 211  | 2 | Q9RK27_STRCO | Q9RK27 streptomyce | 803 | 60.5 | 12.1 | 723  | 1 | Q7PF07_ANOGA | Q7PF07 anopheles g   |
| 731 | 61   | 12.2 | 307  | 2 | Q4C965_CROWT | Q4C965 crocospaer  | 804 | 60.5 | 12.1 | 754  | 2 | DL1L1_HUMAN  | DL1L1 homo sapien    |
| 732 | 61   | 12.2 | 369  | 2 | Q7QD26_ANOGA | Q7QD26 anopheles g | 805 | 60.5 | 12.1 | 767  | 2 | Q1L8H4_BRARE | Q1L8H4 brachydanio   |
| 733 | 61   | 12.2 | 380  | 2 | Q60214_METCA | Q60214 methylococc | 806 | 60.5 | 12.1 | 780  | 2 | Q9DGR2_XENLA | Q9DGR2 xenopus lae   |
| 734 | 61   | 12.2 | 409  | 2 | Q3TV46_MOUSE | Q3TV46 mus musculu | 807 | 60.5 | 12.1 | 790  | 2 | Q3U2X9_MOUSE | Q3U2X9 mus musculu   |
| 735 | 61   | 12.2 | 413  | 2 | Q23015_CABEL | Q23015 caenorhabdi | 808 | 60.5 | 12.1 | 871  | 2 | Q4R728_NACPA | Q4R728 macaca fasc   |
| 736 | 61   | 12.2 | 442  | 2 | Q55GL3_DICDI | Q55GL3 dictyosteli | 809 | 60.5 | 12.1 | 905  | 2 | Q4SCX8_TETNG | Q4SCX8 tetraodon n   |
| 737 | 61   | 12.2 | 442  | 2 | Q569T8_XENLA | Q569T8 xenopus lae | 810 | 60.5 | 12.1 | 917  | 2 | Q18260_CABEL | Q18260 caenorhabdi   |
| 738 | 61   | 12.2 | 443  | 2 | Q2TAU8_XENLA | Q2TAU8 xenopus lae | 811 | 60.5 | 12.1 | 978  | 1 | Q9VE20_DROME | Q9VE20 drosophila    |
| 739 | 61   | 12.2 | 447  | 2 | Q4J3W1_AZOVI | Q4J3W1 azotobacter | 812 | 60.5 | 12.1 | 1024 | 2 | Q9BX11_HUMAN | Q9BX11 homo sapien   |
| 740 | 61   | 12.2 | 456  | 2 | Q3WTR3_9RHIZ | Q3WTR3 mesorhizobi | 813 | 60.5 | 12.1 | 1030 | 2 | Q22D69_TETTH | Q22D69 tetrahymena   |
| 741 | 61   | 12.2 | 506  | 2 | Q8C7W2_MOUSE | Q8C7W2 mus musculu | 814 | 60.5 | 12.1 | 1087 | 2 | Q23H08_TETTH | Q23H08 tetrahymena   |
| 742 | 61   | 12.2 | 525  | 2 | P92162_BOMMO | P92162 bombyx mori | 815 | 60.5 | 12.1 | 1101 | 2 | Q1SAI7_MEDTR | Q1SAI7 medicago tr   |
| 743 | 61   | 12.2 | 538  | 2 | Q8CC86_MOUSE | Q8CC86 m adult mal | 816 | 60.5 | 12.1 | 1104 | 1 | Q96EL5_HUMAN | Q96EL5 mus sapien    |
| 744 | 61   | 12.2 | 563  | 2 | Q7TP82_RAT   | Q7TP82 rattus norv | 817 | 60.5 | 12.1 | 1389 | 2 | Q905C9_MOUSE | Q905C9 mus musculu   |
| 745 | 61   | 12.2 | 571  | 2 | Q8C1E3_MOUSE | Q8C1E3 mus musculu | 818 | 60.5 | 12.1 | 1622 | 2 | Q3ZTN4_SAISC | Q3ZTN4 saimiri sci   |
| 746 | 61   | 12.2 | 606  | 2 | Q17LW1_AEDAE | Q17LW1 aedes aegyp | 819 | 60.5 | 12.1 | 1713 | 1 | Q9VE20_DROME | Q9VE20 drosophila    |
| 747 | 61   | 12.2 | 610  | 2 | Q4B0K0_9BURK | Q4B0K0 polaromonas | 820 | 60.5 | 12.1 | 1897 | 2 | Q29H17_DROPS | Q29H17 drosophila    |
| 748 | 61   | 12.2 | 657  | 2 | Q4T6N0_TETNG | Q4T6N0 tetraodon n | 821 | 60.5 | 12.1 | 1914 | 2 | Q4WHJ5_ASPFU | Q4WHJ5 aspergillus   |
| 749 | 61   | 12.2 | 703  | 2 | Q8C122_MOUSE | Q8C122 mus musculu | 822 | 60.5 | 12.1 | 2038 | 2 | Q7QF82_ANOGA | Q7QF82 anopheles g   |
| 750 | 61   | 12.2 | 705  | 1 | FLN1_MOUSE   | FLN1 mus musculu   | 823 | 60.5 | 12.1 | 2653 | 2 | Q252S5_LUCCU | Q252S5 lucilia cup   |
| 751 | 61   | 12.2 | 705  | 2 | Q3TWK8_MOUSE | Q3TWK8 mus musculu | 824 | 60.5 | 12.1 | 2703 | 1 | NOTCH_DROME  | NOTCH drosophila     |
| 752 | 61   | 12.2 | 723  | 2 | Q9QW16_9MURI | Q9QW16 rattus sp.  | 825 | 60.5 | 12.1 | 2771 | 2 | Q9WTS7_MOUSE | Q9WTS7 mus musculu   |
| 753 | 61   | 12.2 | 735  | 2 | Q8BZT2_MOUSE | Q8BZT2 mus musculu | 826 | 60.5 | 12.1 | 2783 | 2 | Q3UH59_BRARE | Q3UH59 brachydanio   |
| 754 | 61   | 12.2 | 881  | 2 | Q9W0A0_DROME | Q9W0A0 drosophila  | 827 | 60.5 | 12.1 | 2796 | 2 | Q3UH66_MOUSE | Q3UH66 mus musculu   |
| 755 | 61   | 12.2 | 903  | 2 | Q44397_TRITR | Q44397 trichuris t | 828 | 60.5 | 12.1 | 2833 | 2 | Q3UH52_MOUSE | Q3UH52 mus musculu   |
| 756 | 61   | 12.2 | 987  | 2 | Q616G9_CABER | Q616G9 caenorhabdi | 829 | 60.5 | 12.1 | 3486 | 2 | Q4DGM4_TRYCR | Q4DGM4 trypanosoma   |
| 757 | 61   | 12.2 | 1031 | 2 | Q8EC80_DROME | Q8EC80 drosophila  | 830 | 60.5 | 12.1 |      |   |              |                      |
| 758 | 61   | 12.2 | 1037 | 2 | Q5VY43_HUMAN | Q5VY43 homo sapien | 831 | 60.5 | 12.1 |      |   |              |                      |
| 759 | 61   | 12.2 | 1057 | 2 | Q4N4P8_THEPA | Q4N4P8 theileria p | 832 | 60.5 | 12.1 |      |   |              |                      |
| 760 | 61   | 12.2 | 1111 | 2 | Q80YN4_RAT   | Q80YN4 rattus norv | 833 | 60.5 | 12.1 |      |   |              |                      |
| 761 | 61   | 12.2 | 1123 | 2 | Q5RDI5_PONPY | Q5RDI5 pongo pygma | 834 | 60.5 | 12.1 |      |   |              |                      |

|     |      |      |       |   |              |                     |     |      |      |      |   |              |                     |
|-----|------|------|-------|---|--------------|---------------------|-----|------|------|------|---|--------------|---------------------|
| 835 | 60.5 | 12.1 | 12269 | 2 | Q1JSM5_TOXGO | Q1j5m5 toxoplasma   | 908 | 60   | 12.0 | 1955 | 1 | AGRN_CHICK   | P31696 gallus gall  |
| 836 | 60   | 12.0 | 60    | 2 | Q20A06_CRAGI | Q20a06 crassostrea  | 909 | 60   | 12.0 | 1976 | 2 | Q59E86_HUMAN | Q59e86 homo sapien  |
| 837 | 60   | 12.0 | 125   | 2 | Q4WZP5_ASPFU | Q4wzp5 aspergillus  | 910 | 60   | 12.0 | 2016 | 2 | Q7PF90_ANOGA | Q7pf90 anopheles g  |
| 838 | 60   | 12.0 | 126   | 2 | Q8T5W4_CAERE | Q8t5w4 caenorhabdi  | 911 | 60   | 12.0 | 2030 | 2 | Q4RHF2_TETNG | Q4rhf2 tetraodon n  |
| 839 | 60   | 12.0 | 127   | 2 | Q8T5X2_CAERE | Q8t5x2 caenorhabdi  | 912 | 60   | 12.0 | 2433 | 2 | Q24F98_TETTH | Q24f98 tetrahymena  |
| 840 | 60   | 12.0 | 128   | 2 | Q8T5W8_CAERE | Q8t5w8 caenorhabdi  | 913 | 60   | 12.0 | 2911 | 1 | PBN2_HUMAN   | P35556 homo sapien  |
| 841 | 60   | 12.0 | 129   | 2 | Q8T5W7_CAERE | Q8t5w7 caenorhabdi  | 914 | 60   | 12.0 | 3126 | 2 | Q3V5L4_MOUSE | Q3v5l4 mus musculu  |
| 842 | 60   | 12.0 | 146   | 2 | Q5K4F7_SCHGR | Q5k4f7 schistocerc  | 915 | 60   | 12.0 | 3493 | 2 | Q4RJ20_TETNG | Q4rj20 tetraodon n  |
| 843 | 60   | 12.0 | 159   | 2 | Q2CGN9_9RHOB | Q2cgn9 oceanicola   | 916 | 60   | 12.0 | 4006 | 2 | Q35452_MOUSE | Q35452 mus musculu  |
| 844 | 60   | 12.0 | 181   | 2 | Q4AFA9_9CHLB | Q4afa9 chlorobium   | 917 | 60   | 12.0 | 4114 | 2 | Q54796_MOUSE | Q54796 mus musculu  |
| 845 | 60   | 12.0 | 184   | 1 | ESM1_HUMAN   | Q6ng30 homo sapien  | 918 | 59.5 | 11.9 | 98   | 1 | KRA33_HUMAN  | Q6byr6 homo sapien  |
| 846 | 60   | 12.0 | 185   | 2 | Q6XIF9_DROYA | Q6xiw9 drosophila   | 919 | 59.5 | 11.9 | 98   | 2 | Q6NTD4_HUMAN | Q6ntd4 homo sapien  |
| 847 | 60   | 12.0 | 211   | 2 | Q6TPK5_CHICK | Q6tpk5 gallus gall  | 920 | 59.5 | 11.9 | 101  | 2 | Q6S313_PROSI | Q6s313 lavatera th  |
| 848 | 60   | 12.0 | 309   | 2 | Q74ZS4_ASHGO | Q74zsa ashya goss   | 921 | 59.5 | 11.9 | 105  | 2 | Q5SZI7_HUMAN | Q5szi7 homo sapien  |
| 849 | 60   | 12.0 | 318   | 2 | Q6A853_PROAC | Q6a853 propionibac  | 922 | 59.5 | 11.9 | 112  | 2 | Q9ZP51_URTDI | Q9zpf1 urtica dioi  |
| 850 | 60   | 12.0 | 320   | 2 | Q8N780_HUMAN | Q8n780 homo sapien  | 923 | 59.5 | 11.9 | 118  | 2 | Q21ZF4_RHOP2 | Q21zf4 rhodopseu    |
| 851 | 60   | 12.0 | 348   | 2 | Q54KB6_DICDI | Q54kb6 dictyosteli  | 924 | 59.5 | 11.9 | 128  | 1 | KAPB_BACSU   | Q08429 bacillus su  |
| 852 | 60   | 12.0 | 366   | 2 | Q46SU2_RALEJ | Q46su2 ralstonia e  | 925 | 59.5 | 11.9 | 132  | 2 | Q2Q1F4_PANTR | Q2qlp4 pan troglod  |
| 853 | 60   | 12.0 | 383   | 2 | Q3KA04_PSEPF | Q3ka04 pseudomonas  | 926 | 59.5 | 11.9 | 151  | 2 | Q2WAL5_MAGMM | Q2wal5 magnetospir  |
| 854 | 60   | 12.0 | 397   | 2 | Q52VK2_CIOIN | Q52vk2 ciona intes  | 927 | 59.5 | 11.9 | 156  | 2 | Q6N0U5_RHOPA | Q6n0u5 rhodopseu    |
| 855 | 60   | 12.0 | 398   | 2 | Q52VK3_CIOIN | Q52vk3 ciona intes  | 928 | 59.5 | 11.9 | 159  | 2 | Q5LKG8_SILPO | Q5lkg8 siligibacte  |
| 856 | 60   | 12.0 | 403   | 2 | Q1EC01_DROME | Q1ec01 drosophila   | 929 | 59.5 | 11.9 | 170  | 2 | Q1Q792_9BACT | Q1q792 candidatu    |
| 857 | 60   | 12.0 | 403   | 2 | Q4R3X4_MACFA | Q4r3x4 macaca fasc  | 930 | 59.5 | 11.9 | 177  | 2 | Q7RYN5_NEUCR | Q7ryn5 neurospora   |
| 858 | 60   | 12.0 | 415   | 2 | Q2GRW5_CHAGB | Q2grw5 chaetomium   | 931 | 59.5 | 11.9 | 182  | 2 | Q4AT93_9BURK | Q4at93 polaromonas  |
| 859 | 60   | 12.0 | 416   | 2 | Q4KPF7_PSEF5 | Q4kpf7 pseudomonas  | 932 | 59.5 | 11.9 | 182  | 2 | Q5P9V7_ANAMM | Q5p9v7 anaplasma m  |
| 860 | 60   | 12.0 | 433   | 2 | Q91ZM6_RAT   | Q91zm6 rattus norv  | 933 | 59.5 | 11.9 | 232  | 2 | Q2JWS8_SYNJA | Q2jws8 synechococc  |
| 861 | 60   | 12.0 | 451   | 2 | Q98173_MCV1  | Q98173 molluscum c  | 934 | 59.5 | 11.9 | 248  | 2 | Q2EG38_SAGLB | Q2eg38 sagulinus la |
| 862 | 60   | 12.0 | 454   | 2 | Q8AXB6_BRARE | Q8axb6 brachydanio  | 935 | 59.5 | 11.9 | 289  | 2 | Q1PG03_HYDSY | Q1pg03 hydractinia  |
| 863 | 60   | 12.0 | 461   | 2 | Q6VAU8_RAT   | Q6vau8 rattus norv  | 936 | 59.5 | 11.9 | 289  | 2 | Q1PG01_HYDSY | Q1pg01 hydractinia  |
| 864 | 60   | 12.0 | 463   | 2 | Q6PHH5_BRARE | Q6phh5 brachydanio  | 937 | 59.5 | 11.9 | 289  | 2 | Q1PF29_HYDSY | Q1pf29 hydractinia  |
| 865 | 60   | 12.0 | 468   | 1 | ZN677_RAT    | Q642b2 rattus norv  | 938 | 59.5 | 11.9 | 289  | 2 | Q1PG00_HYDSY | Q1pg00 hydractinia  |
| 866 | 60   | 12.0 | 474   | 1 | TNR1B_RAT    | Q80wy6 rattus norv  | 939 | 59.5 | 11.9 | 289  | 2 | Q1PG02_HYDSY | Q1pg02 hydractinia  |
| 867 | 60   | 12.0 | 474   | 2 | Q5YLP0_RAT   | Q5ylp0 rattus norv  | 940 | 59.5 | 11.9 | 289  | 2 | Q1PG10_HYDSY | Q1pg10 hydractinia  |
| 868 | 60   | 12.0 | 485   | 2 | Q4H3Q6_CIOIN | Q4h3q6 ciona intes  | 941 | 59.5 | 11.9 | 289  | 2 | Q1PG05_HYDSY | Q1pg05 hydractinia  |
| 869 | 60   | 12.0 | 541   | 2 | Q1WKY1_DROYA | Q1wky1 drosophila   | 942 | 59.5 | 11.9 | 294  | 2 | Q6LHT4_CAEBR | Q6lht4 caenorhabdi  |
| 870 | 60   | 12.0 | 541   | 2 | Q1WKY4_DROOR | Q1wky4 drosophila   | 943 | 59.5 | 11.9 | 300  | 2 | Q3V112_MOUSE | Q3v112 mus musculu  |
| 871 | 60   | 12.0 | 542   | 2 | Q1WKY2_DROTE | Q1wky2 drosophila   | 944 | 59.5 | 11.9 | 307  | 2 | Q3IYR3_RHOS4 | Q3iyr3 rhodobacter  |
| 872 | 60   | 12.0 | 542   | 2 | Q1WKY3_DROSI | Q1wky3 drosophila   | 945 | 59.5 | 11.9 | 320  | 2 | Q57079_COWPX | Q57079 cowpox viru  |
| 873 | 60   | 12.0 | 545   | 2 | Q1WKY5_DROER | Q1wky5 drosophila   | 946 | 59.5 | 11.9 | 323  | 2 | Q4Q266_LEIMA | Q4q266 leishmania   |
| 874 | 60   | 12.0 | 566   | 2 | Q617P3_CAEBR | Q617p3 caenorhabdi  | 947 | 59.5 | 11.9 | 340  | 2 | Q54KK1_DICDI | Q54kk1 dictyosteli  |
| 875 | 60   | 12.0 | 569   | 2 | Q6J2K6_ORYSA | Q6j2k6 oryza sativ  | 948 | 59.5 | 11.9 | 394  | 2 | Q6Z434_ORYSA | Q6z434 oryza sativ  |
| 876 | 60   | 12.0 | 579   | 2 | Q6P2G0_HUMAN | Q6p2g0 homo sapien  | 949 | 59.5 | 11.9 | 402  | 2 | Q64WV1_BACFR | Q64wv1 bacteroides  |
| 877 | 60   | 12.0 | 622   | 2 | Q5Y9B3_9VIRU | Q5y9b3 adeno-associ | 950 | 59.5 | 11.9 | 402  | 2 | Q5LGO5_BACFN | Q5lgo5 bacteroides  |
| 878 | 60   | 12.0 | 622   | 2 | Q5Y9B5_9VIRU | Q5y9b5 adeno-associ | 951 | 59.5 | 11.9 | 411  | 2 | Q89YQ3_BACTN | Q89yq3 bacteroides  |
| 879 | 60   | 12.0 | 623   | 2 | Q9WB7_9VIRU  | Q9wb7 adeno-associ  | 952 | 59.5 | 11.9 | 421  | 2 | Q9DEV1_CVPCA | Q9dev1 cyprinus ca  |
| 880 | 60   | 12.0 | 623   | 2 | Q56136_9VIRU | Q56136 adeno-associ | 953 | 59.5 | 11.9 | 433  | 2 | Q7ZX39_XENLA | Q7zx39 xenopus lae  |
| 881 | 60   | 12.0 | 623   | 2 | Q1I031_9VIRU | Q1i031 adeno-associ | 954 | 59.5 | 11.9 | 438  | 2 | Q6INJ1_XENLA | Q6inj1 xenopus lae  |
| 882 | 60   | 12.0 | 623   | 2 | Q1I033_9VIRU | Q1i033 adeno-associ | 955 | 59.5 | 11.9 | 448  | 2 | Q2GPN1_CHAGB | Q2gpn1 chaetomium   |
| 883 | 60   | 12.0 | 644   | 2 | Q4REW4_TETNG | Q4rew4 tetraodon n  | 956 | 59.5 | 11.9 | 448  | 2 | Q9VJU8_DROME | Q9vjus drosophila   |
| 884 | 60   | 12.0 | 654   | 2 | Q8IPP3_DROME | Q8ipp3 drosophila   | 957 | 59.5 | 11.9 | 484  | 2 | Q5CZ68_HUMAN | Q5cz68 homo sapien  |
| 885 | 60   | 12.0 | 657   | 2 | Q17Q48_AEDAE | Q17q48 aedes aegyp  | 958 | 59.5 | 11.9 | 488  | 2 | Q29GV6_DROPS | Q29gv6 drosophila   |
| 886 | 60   | 12.0 | 699   | 2 | Q3W1K0_9ACTO | Q3w1k0 frankia sp.  | 959 | 59.5 | 11.9 | 491  | 2 | Q8TEK2_HUMAN | Q8tek2 homo sapien  |
| 887 | 60   | 12.0 | 701   | 2 | Q4T4W9_TETNG | Q4t4w9 tetraodon n  | 960 | 59.5 | 11.9 | 507  | 2 | Q1ESX6_COCIM | Q1esx6 coccidioid   |
| 888 | 60   | 12.0 | 710   | 2 | Q3IBU5_ANGJA | Q3ibds anguilla ja  | 961 | 59.5 | 11.9 | 507  | 2 | Q1TDJ8_9MYCO | Q1tdj8 mycobacteri  |
| 889 | 60   | 12.0 | 735   | 1 | ADAM2_HUMAN  | Q284f78 macaca fasc | 962 | 59.5 | 11.9 | 507  | 2 | Q1TWM6_9MYCO | Q1twm6 mycobacteri  |
| 890 | 60   | 12.0 | 735   | 1 | ADAM2_MACFA  | Q284f78 macaca fasc | 963 | 59.5 | 11.9 | 507  | 2 | Q1BEM7_9MYCO | Q1bem7 mycobacteri  |
| 891 | 60   | 12.0 | 735   | 2 | Q4R6R6_MACFA | Q4r6r6 macaca fasc  | 964 | 59.5 | 11.9 | 533  | 2 | Q66HB8_RAT   | Q66hb8 rattus norv  |
| 892 | 60   | 12.0 | 755   | 1 | COMP_MOUSE   | Q9r0g6 mus musculu  | 965 | 59.5 | 11.9 | 564  | 2 | Q9TTS4_BOVIN | Q9tts4 bos taurus   |
| 893 | 60   | 12.0 | 755   | 2 | Q8V154_MOUSE | Q8v154 mus musculu  | 966 | 59.5 | 11.9 | 564  | 2 | Q3VQV5_PROAE | Q3vqv5 prosthecoch  |
| 894 | 60   | 12.0 | 797   | 2 | Q89PY0_BRAJA | Q89py0 bradyrhizob  | 967 | 59.5 | 11.9 | 658  | 2 | Q4RLS7_TETNG | Q4rls7 tetraodon n  |
| 895 | 60   | 12.0 | 893   | 2 | Q8MJX0_CERAE | Q8mjx0 cercopithe   | 968 | 59.5 | 11.9 | 712  | 2 | Q5QJF9_CAEEL | Q5qjf9 caenorhabdi  |
| 896 | 60   | 12.0 | 988   | 2 | Q22685_CAEEL | Q22685 caenorhabdi  | 969 | 59.5 | 11.9 | 765  | 2 | Q4SMJ3_TETNG | Q4smj3 tetraodon n  |
| 897 | 60   | 12.0 | 990   | 2 | Q6BTQ2_DEBHA | Q6btq2 debaryomyce  | 970 | 59.5 | 11.9 | 808  | 2 | Q23DN8_TETTH | Q23dn8 tetrahymena  |
| 898 | 60   | 12.0 | 1061  | 2 | Q5B110_DROME | Q5b110 drosophila   | 971 | 59.5 | 11.9 | 835  | 2 | Q49H10_CANFA | Q49h10 canis famil  |
| 899 | 60   | 12.0 | 1170  | 1 | TSP1_BOVIN   | Q28178 bos taurus   | 972 | 59.5 | 11.9 | 856  | 2 | Q1J3V8_DEIGD | Q1j3v8 deinococcus  |
| 900 | 60   | 12.0 | 1295  | 1 | GLP1_CAEEL   | P13508 caenorhabdi  | 973 | 59.5 | 11.9 | 886  | 1 | EMR1_HUMAN   | Q14246 homo sapien  |
| 901 | 60   | 12.0 | 1302  | 1 | LTBP3_HUMAN  | Q9nsl5 homo sapien  | 974 | 59.5 | 11.9 | 886  | 2 | Q2I7G5_HUMAN | Q2i7g5 homo sapien  |
| 902 | 60   | 12.0 | 1512  | 1 | USH2A1_RAT   | Q9k3k1 rattus norv  | 975 | 59.5 | 11.9 | 917  | 1 | LRP8_CHICK   | Q98931 gallus gall  |
| 903 | 60   | 12.0 | 1547  | 1 | RDRP_EMV     | P20951 papaya mosa  | 976 | 59.5 | 11.9 | 917  | 2 | Q65XH7_ORYSA | Q65xh7 oryza sativ  |
| 904 | 60   | 12.0 | 1587  | 2 | Q1LK66_CAEER | Q1lk66 caenorhabdi  | 977 | 59.5 | 11.9 | 925  | 2 | Q9UB94_CAEEL | Q9ub94 caenorhabdi  |
| 905 | 60   | 12.0 | 1629  | 2 | Q1L8K6_BRARE | Q1lk86 brachydanio  | 978 | 59.5 | 11.9 | 1070 | 2 | Q4RJ74_TETNG | Q4rjt4 tetraodon n  |
| 906 | 60   | 12.0 | 1679  | 1 | FUR2_DROME   | P30432 drosophila   | 979 | 59.5 | 11.9 | 1117 | 2 | Q6E0K3_DIDMA | Q6e0k3 didelphis m  |
| 907 | 60   | 12.0 | 1811  | 2 | Q1JSY5_TOXGO | Q1jsy5 toxoplasma   | 980 | 59.5 | 11.9 | 1144 | 2 | Q4WGE0_ASPFU | Q4wge0 aspergillus  |

|      |      |      |      |   |                    |                     |      |      |      |      |   |              |                     |
|------|------|------|------|---|--------------------|---------------------|------|------|------|------|---|--------------|---------------------|
| 981  | 59.5 | 11.9 | 1191 | 2 | Q7QH41 ANOGA       | Q7qh41 anopheles g  | 1054 | 59   | 11.8 | 712  | 2 | Q5S3M5_9AGAR | Q5s3m5 grifola sor  |
| 982  | 59.5 | 11.9 | 1620 | 2 | Q3ZTN2 SAGOE       | Q3ztn2 saguinus oe  | 1055 | 59   | 11.8 | 719  | 2 | Q5S3M6 GRIFR | Q5s3m6 grifola fro  |
| 983  | 59.5 | 11.9 | 1621 | 2 | Q3ZTN8 MACMU       | Q3ztn8 macaca mula  | 1056 | 59   | 11.8 | 719  | 2 | Q1CX64 MYXXA | Q1cx64 myxococcus   |
| 984  | 59.5 | 11.9 | 2386 | 2 | Q22ZT9 TETTH       | Q22zt9 tetrahymena  | 1057 | 59   | 11.8 | 740  | 2 | Q6PIA2 HUMAN | Q6pia2 homo sapien  |
| 985  | 59.5 | 11.9 | 3102 | 2 | Q45614 CAEBL       | Q45614 caenorhabdi  | 1058 | 59   | 11.8 | 801  | 2 | Q87J38 HOMOM | Q87j38 stereum hir  |
| 986  | 59.5 | 11.9 | 3108 | 2 | Q60JW4 CAEBR       | Q60jw4 caenorhabdi  | 1059 | 59   | 11.8 | 803  | 2 | Q87J38 HOMOM | Q87j38 coltricia p  |
| 987  | 59.5 | 11.9 | 4135 | 2 | Q18977 BOVIN       | Q18977 bos taurus   | 1060 | 59   | 11.8 | 806  | 1 | ADMIB MOUSE  | Q8r534 mus musculus |
| 988  | 59.5 | 11.9 | 4544 | 1 | LRP1 HUMAN         | Q07954 homo sapien  | 1061 | 59   | 11.8 | 809  | 2 | Q3V095 MOUSE | Q3v095 mus musculus |
| 989  | 59   | 11.8 | 88   | 2 | Q5UAZ1 PAGNA       | Q5uaz1 pagrus majo  | 1062 | 59   | 11.8 | 823  | 2 | Q61GU3 CAEBR | Q61gu3 caenorhabdi  |
| 990  | 59   | 11.8 | 88   | 2 | Q6PM54 PAGNA       | Q6pm54 pagrus majo  | 1063 | 59   | 11.8 | 836  | 2 | Q61CH1 HUMAN | Q61ch1 homo sapien  |
| 991  | 59   | 11.8 | 96   | 2 | Q99199 CHLRE       | Q99199 chlamydomon  | 1064 | 59   | 11.8 | 859  | 2 | Q7Z2R6 ORYLA | Q7z2r6 oryzias lat  |
| 992  | 59   | 11.8 | 107  | 2 | Q8RKW5 PRORE       | Q8rkws providencia  | 1065 | 59   | 11.8 | 859  | 2 | Q87J38 HOMOM | Q87j38 oryzias lat  |
| 993  | 59   | 11.8 | 109  | 2 | Q95987 HUMAN       | Q95987 homo sapien  | 1066 | 59   | 11.8 | 871  | 2 | Q87J38 HOMOM | Q87j38 echinodoni   |
| 994  | 59   | 11.8 | 115  | 2 | Q36G26 9GAMM       | Q36g26 shewanella   | 1067 | 59   | 11.8 | 883  | 2 | Q5U7W2 HOMOM | Q5u7w2 climacodon   |
| 995  | 59   | 11.8 | 116  | 2 | Q3EY8 CHLORFLEXU   | Q3ely8 chloroflexu  | 1068 | 59   | 11.8 | 886  | 2 | Q207G8 HOMOM | Q207g8 phaeolus sc  |
| 996  | 59   | 11.8 | 130  | 2 | Q6IE42 RATTUS NORV | Q6ie42 rattus norv  | 1069 | 59   | 11.8 | 887  | 2 | Q9ULT6 HUMAN | Q9ult6 homo sapien  |
| 997  | 59   | 11.8 | 150  | 2 | Q443U5 SOLUS       | Q443u5 solibacter   | 1070 | 59   | 11.8 | 891  | 2 | Q207G6 9APHY | Q207g6 pycnoporus   |
| 998  | 59   | 11.8 | 159  | 1 | KRA98 HUMAN        | Q9byq0 homo sapien  | 1071 | 59   | 11.8 | 896  | 2 | Q207G9 9APHY | Q207g9 laetiporus   |
| 999  | 59   | 11.8 | 186  | 1 | AGI3 WHEAT         | PI0969 triticum ae  | 1072 | 59   | 11.8 | 897  | 2 | Q207G7 9APHY | Q207g7 polyporus s  |
| 1000 | 59   | 11.8 | 209  | 2 | P93029 ARATH       | P93029 arabidopsis  | 1073 | 59   | 11.8 | 898  | 2 | Q207G5 9APHY | Q207g5 spargis c    |
| 1001 | 59   | 11.8 | 235  | 2 | Q80W51 MOUSE       | Q80w51 mus musculus | 1074 | 59   | 11.8 | 900  | 2 | Q207G4 9APHY | Q207g4 spangipelli  |
| 1002 | 59   | 11.8 | 220  | 1 | YR661 MIMIV        | Q8uq61 mimivirus    | 1075 | 59   | 11.8 | 901  | 2 | Q9XTS9 CAEBL | Q9xts9 caenorhabdi  |
| 1003 | 59   | 11.8 | 220  | 2 | Q4TF08 TETNG       | Q4tf08 tetraodon n  | 1076 | 59   | 11.8 | 907  | 2 | Q5U7W8 HOMOM | Q5u7w8 albatrellus  |
| 1004 | 59   | 11.8 | 225  | 2 | Q7XZ30 GRIJA       | Q7xz30 griffithsia  | 1077 | 59   | 11.8 | 913  | 2 | Q5S5Z7 MOUSE | Q5s5z7 mus musculus |
| 1005 | 59   | 11.8 | 234  | 2 | Q7QG2 ANOGA        | Q7qgy2 anopheles g  | 1078 | 59   | 11.8 | 932  | 2 | Q29RU4 BOVIN | Q29ru4 bos taurus   |
| 1006 | 59   | 11.8 | 240  | 2 | Q16PD0 AEDAE       | Q16fd0 aedes aegypt | 1079 | 59   | 11.8 | 937  | 1 | DGKM CAEBL   | Q10024 caenorhabdi  |
| 1007 | 59   | 11.8 | 261  | 2 | Q1JXX7 DESAC       | Q1jxx7 desulfuro    | 1080 | 59   | 11.8 | 949  | 2 | Q4S2B5 TETNG | Q4s2b5 tetraodon n  |
| 1008 | 59   | 11.8 | 269  | 2 | Q9UZB8 CAEBL       | Q9uzb8 caenorhabdi  | 1081 | 59   | 11.8 | 990  | 2 | Q4RMV7 TETNG | Q4rmv7 tetraodon n  |
| 1009 | 59   | 11.8 | 272  | 2 | Q61BN9 CAEBR       | Q61bn9 caenorhabdi  | 1082 | 59   | 11.8 | 1102 | 2 | Q23NT8 TETTH | Q23nt8 tetrahymena  |
| 1010 | 59   | 11.8 | 300  | 2 | Q84BD4 MYXXA       | Q84bd4 myxococcus   | 1083 | 59   | 11.8 | 1119 | 2 | Q18034 CAEBL | Q18034 caenorhabdi  |
| 1011 | 59   | 11.8 | 306  | 2 | Q3WRH0 9RHIZ       | Q3wrh0 mesorhizobi  | 1084 | 59   | 11.8 | 1123 | 2 | Q75QY0 HUMAN | Q75qy0 homo sapien  |
| 1012 | 59   | 11.8 | 315  | 2 | Q8LA97 ARATH       | Q8la97 arabidopsis  | 1085 | 59   | 11.8 | 1146 | 2 | Q60M26 CAEBR | Q60m26 caenorhabdi  |
| 1013 | 59   | 11.8 | 315  | 2 | Q82307 ARATH       | Q82307 arabidopsis  | 1086 | 59   | 11.8 | 1154 | 2 | Q3U1W7 MOUSE | Q3u1w7 m b6-derive  |
| 1014 | 59   | 11.8 | 322  | 2 | Q4TF09 TETNG       | Q4tf09 tetraodon n  | 1087 | 59   | 11.8 | 1167 | 2 | Q6KAT1 MOUSE | Q6kat1 mus musculus |
| 1015 | 59   | 11.8 | 322  | 2 | Q1D2V4 MYXXA       | Q1d2v4 myxococcus   | 1088 | 59   | 11.8 | 1175 | 2 | Q50TW3 ENTHI | Q50tw3 encameoba h  |
| 1016 | 59   | 11.8 | 343  | 2 | Q8C3D8 MOUSE       | Q8c3d8 mus musculus | 1089 | 59   | 11.8 | 1268 | 1 | LTBP3 MOUSE  | Q61810 mus musculus |
| 1017 | 59   | 11.8 | 343  | 2 | Q6PAL1 MOUSE       | Q6pal1 mus musculus | 1090 | 59   | 11.8 | 1270 | 2 | Q9GPN0 CAEBR | Q9gpn0 caenorhabdi  |
| 1018 | 59   | 11.8 | 348  | 2 | Q6UNK8 HUMAN       | Q6unk8 homo sapien  | 1091 | 59   | 11.8 | 1314 | 2 | Q8UZJ7 9GAMA | Q8uzj7 cercopithec  |
| 1019 | 59   | 11.8 | 349  | 1 | XRCQ3 MOUSE        | Q9cxee mus musculus | 1092 | 59   | 11.8 | 1674 | 2 | Q2R3L7 ORYSA | Q2r3l7 oryza sativ  |
| 1020 | 59   | 11.8 | 349  | 2 | Q1KLA5 9AGAR       | Q1kla5 physalacia   | 1093 | 59   | 11.8 | 1675 | 2 | Q1DW27 COCIM | Q1dw27 coccidioid   |
| 1021 | 59   | 11.8 | 349  | 2 | Q8NB13 HUMAN       | Q8nb13 homo sapien  | 1094 | 59   | 11.8 | 1682 | 2 | Q23X28 TETTH | Q23x28 tetrahymena  |
| 1022 | 59   | 11.8 | 349  | 2 | Q5SNX0 HUMAN       | Q5snx0 homo sapien  | 1095 | 59   | 11.8 | 1725 | 2 | Q22M94 TETTH | Q22m94 tetrahymena  |
| 1023 | 59   | 11.8 | 386  | 1 | AMPW1 MOUSE        | Q8bp48 mus musculus | 1096 | 59   | 11.8 | 1764 | 1 | LTBP2 RAT    | Q35806 rattus norv  |
| 1024 | 59   | 11.8 | 386  | 2 | Q4VAA5 MOUSE       | Q4vaa5 m methionyl  | 1097 | 59   | 11.8 | 1827 | 2 | Q4CQ44 TRYCR | Q4cq44 trypanosoma  |
| 1025 | 59   | 11.8 | 414  | 2 | Q618N4 CAEBR       | Q618n4 caenorhabdi  | 1098 | 59   | 11.8 | 2370 | 2 | Q4UJ22 THEAN | Q4uj22 theileria a  |
| 1026 | 59   | 11.8 | 419  | 2 | Q92043 CROAT       | Q92043 croatalus at | 1099 | 59   | 11.8 | 2428 | 2 | Q816X6 BOOMI | Q816x6 boophilus m  |
| 1027 | 59   | 11.8 | 434  | 2 | Q207F7 9APHY       | Q207f7 scytinostro  | 1100 | 59   | 11.8 | 2549 | 2 | Q2L697 CIOIN | Q2l697 ciona intes  |
| 1028 | 59   | 11.8 | 435  | 2 | Q616G8 CAEBR       | Q616g8 caenorhabdi  | 1101 | 59   | 11.8 | 2602 | 2 | Q242T8 TETTH | Q242t8 tetrahymena  |
| 1029 | 59   | 11.8 | 454  | 2 | Q7F8X9 ORYSA       | Q7f8x9 oryza sativ  | 1102 | 59   | 11.8 | 2871 | 1 | PBN1 MOUSE   | Q61554 mus musculus |
| 1030 | 59   | 11.8 | 459  | 1 | PROC_PIG           | Q9glp2 s vitamin k  | 1103 | 59   | 11.8 | 2872 | 2 | Q9WUH8 RAT   | Q9wuh8 rattus norv  |
| 1031 | 59   | 11.8 | 474  | 1 | TNR1B MOUSE        | P25119 mus musculus | 1104 | 59   | 11.8 | 3843 | 2 | Q9U5D0 DROME | Q9u5d0 drosophila   |
| 1032 | 59   | 11.8 | 474  | 2 | Q545P4 MOUSE       | Q545p4 m adult mal  | 1105 | 59   | 11.8 | 3843 | 2 | Q9VU94 DROME | Q9vu94 drosophila   |
| 1033 | 59   | 11.8 | 518  | 2 | Q207G2 TRAVE       | Q207g2 trametes ve  | 1106 | 59   | 11.8 | 4181 | 2 | Q29IE2 DROPS | Q29ie2 drosophila   |
| 1034 | 59   | 11.8 | 524  | 2 | Q6QJD5 9APHY       | Q6qjd5 cylindrobac  | 1107 | 59   | 11.8 | 4349 | 1 | FAT2 HUMAN   | Q9nyq8 homo sapien  |
| 1035 | 59   | 11.8 | 548  | 2 | Q207H0 TEPLA       | Q207h0 irpep lacte  | 1108 | 59   | 11.8 | 50   | 2 | Q64DV8 9ARCH | Q64dv8 uncultured   |
| 1036 | 59   | 11.8 | 550  | 2 | Q4QAS0 LEIMA       | Q4qae0 leishmania   | 1109 | 58.5 | 11.7 | 76   | 2 | Q64AE9 9ARCH | Q64ae9 uncultured   |
| 1037 | 59   | 11.8 | 551  | 2 | Q61MD2 CAEBR       | Q61md2 caenorhabdi  | 1110 | 58.5 | 11.7 | 99   | 2 | Q9D7P0 MOUSE | Q9d7p0 mus musculus |
| 1038 | 59   | 11.8 | 570  | 2 | Q2UNP0 ASPOR       | Q2unp0 aspergillus  | 1111 | 58.5 | 11.7 | 99   | 2 | Q9D638 MOUSE | Q9d638 mus musculus |
| 1039 | 59   | 11.8 | 573  | 2 | Q5W9G8 HUMAN       | Q5w9g8 homo sapien  | 1112 | 58.5 | 11.7 | 99   | 2 | Q9CPW1 MOUSE | Q9cpw1 m adult mal  |
| 1040 | 59   | 11.8 | 576  | 2 | Q4RG87 TETNG       | Q4rg87 tetraodon n  | 1113 | 58.5 | 11.7 | 128  | 2 | Q6ZWD3 HUMAN | Q6zwd3 homo sapien  |
| 1041 | 59   | 11.8 | 579  | 2 | Q5GYT3 XANOR       | Q5gyt3 xanthomonas  | 1114 | 58.5 | 11.7 | 138  | 2 | Q6UTY0 BOVIN | Q6uty0 bos taurus   |
| 1042 | 59   | 11.8 | 579  | 2 | Q3BUC0 XANCS       | Q3buc0 xanthomonas  | 1115 | 58.5 | 11.7 | 139  | 2 | Q6UTY0 BOVIN | Q6uty0 sida micran  |
| 1043 | 59   | 11.8 | 579  | 2 | Q2P1T6 XANOM       | Q2pit6 xanthomonas  | 1116 | 58.5 | 11.7 | 181  | 2 | Q399Z3 BURS3 | Q399z3 burkholderi  |
| 1044 | 59   | 11.8 | 579  | 2 | Q8P9L1 XANCP       | Q8p9l1 xanthomonas  | 1117 | 58.5 | 11.7 | 200  | 2 | Q5TUV6 ANOGA | Q5tuv6 arabidopsis  |
| 1045 | 59   | 11.8 | 582  | 2 | Q914D5 XANCA       | Q914d5 xanthomonas  | 1118 | 58.5 | 11.7 | 214  | 2 | Q58FV5 ARATH | Q58fv5 arabidopsis  |
| 1046 | 59   | 11.8 | 582  | 2 | Q4UW77 XANCB       | Q4uw77 xanthomonas  | 1119 | 58.5 | 11.7 | 214  | 2 | Q4ARK0 ARATH | Q4ark0 rubrobacter  |
| 1047 | 59   | 11.8 | 616  | 2 | Q20852 CAEBL       | Q20852 caenorhabdi  | 1120 | 58.5 | 11.7 | 252  | 2 | Q1ARR1 9ACTN | Q1arr1 rubrobacter  |
| 1048 | 59   | 11.8 | 660  | 2 | Q1K1K4 XANCA       | Q1k1k4 lachnella v  | 1121 | 58.5 | 11.7 | 254  | 2 | Q4DN16 TRYCR | Q4dn16 trypanosoma  |
| 1049 | 59   | 11.8 | 674  | 2 | Q873U0 PHLRA       | Q873u0 phlebia rad  | 1122 | 58.5 | 11.7 | 276  | 2 | Q4PL95 ARATH | Q4pl95 arabidopsis  |
| 1050 | 59   | 11.8 | 677  | 2 | Q2ERY7 9HOMO       | Q2ery7 botryobasid  | 1123 | 58.5 | 11.7 | 291  | 2 | Q3B3V5 PELLD | Q3b3v5 pelotictyon  |
| 1051 | 59   | 11.8 | 690  | 2 | Q1K1M3 9APHY       | Q1klm3 fistulina a  | 1124 | 58.5 | 11.7 | 308  | 2 | Q46370 BOVIN | Q46370 bos taurus   |
| 1052 | 59   | 11.8 | 701  | 2 | Q27T05 9APHY       | Q27t05 punctularia  | 1125 | 58.5 | 11.7 | 318  | 2 | Q4A672 MYCS5 | Q4a672 mycoplasma   |
| 1053 | 59   | 11.8 | 704  | 2 | Q5S3M7 9APHY       | Q5s3m7 fomitopsis   | 1126 | 58.5 | 11.7 |      |   |              |                     |



|      |     |   |              |        |              |       |      |      |      |   |              |        |              |        |              |      |      |      |      |        |              |        |              |        |              |
|------|-----|---|--------------|--------|--------------|-------|------|------|------|---|--------------|--------|--------------|--------|--------------|------|------|------|------|--------|--------------|--------|--------------|--------|--------------|
| 1127 | 325 | 1 | V72_SFVKA    | P25943 | shope        | fibro | 58.5 | 11.7 | 325  | 1 | V72_SFVKA    | P25943 | shope        | fibro  | 1200         | 58.5 | 11.7 | 3689 | 2    | Q7PPF9 | ANOGA        | Q7ppf9 | anophelēs    | 9      |              |
| 1128 | 325 | 2 | Q77PB3_9POXV | Q77pb3 | rabbit       | fibr  | 58.5 | 11.7 | 4391 | 1 | PGBM_HUMAN   | Q5VU27 | homo sapien  | Q5vu27 | homo sapien  | 1201 | 58.5 | 11.7 | 4391 | 1      | PGBM_HUMAN   | Q5VU27 | homo sapien  | P8160  | homo sapien  |
| 1129 | 328 | 2 | Q8MQG3_CAEEL | Q8mqg3 | caenorhabdi  |       | 58.5 | 11.7 | 1202 | 1 | Q2PZL6_MOUSE | Q2pcz6 | mus musculus | Q2pcz6 | mus musculus | 1202 | 58.5 | 11.7 | 4981 | 2      | Q2PZL6_MOUSE | Q2pcz6 | mus musculus | Q2pcz6 | mus musculus |
| 1130 | 358 | 2 | Q18392_CAEEL | Q18392 | caenorhabdi  |       | 58.5 | 11.7 | 1203 | 1 | Q18392_CAEEL | Q18392 | bos taurus   | Q18392 | bos taurus   | 1203 | 58.5 | 11.7 | 4981 | 2      | Q2PZL6_MOUSE | Q2pcz6 | mus musculus | Q2pcz6 | mus musculus |
| 1131 | 359 | 2 | Q1JPB5_BOVIN | Q1jpb5 | bos taurus   |       | 58.5 | 11.7 | 1204 | 1 | Q1JPB5_BOVIN | Q1jpb5 | bos taurus   | Q1jpb5 | bos taurus   | 1204 | 58.5 | 11.7 | 5255 | 1      | SSPO_CHICK   | Q2pc93 | gallus gall  | Q2pc93 | gallus gall  |
| 1132 | 361 | 2 | Q4V7M2_XENLA | Q4v7m2 | xenopus lae  |       | 58.5 | 11.7 | 1205 | 1 | Q4V7M2_XENLA | Q4v7m2 | xenopus lae  | Q4v7m2 | xenopus lae  | 1205 | 58   | 11.6 | 46   | 1      | ENNA1_HORSE  | P80330 | equus caball | P80330 | equus caball |
| 1133 | 375 | 2 | Q4TC52_TETNG | Q4tc52 | tetradodon n |       | 58.5 | 11.7 | 1206 | 1 | Q4TC52_TETNG | Q4tc52 | tetradodon n | Q4tc52 | tetradodon n | 1206 | 58   | 11.6 | 98   | 2      | Q238I9_FRASC | Q238i9 | frankia sp.  | Q238i9 | frankia sp.  |
| 1134 | 407 | 2 | Q4WAJ6_ASPFU | Q4waj6 | aspergillus  |       | 58.5 | 11.7 | 1207 | 1 | Q4WAJ6_ASPFU | Q4waj6 | aspergillus  | Q4waj6 | aspergillus  | 1207 | 58   | 11.6 | 116  | 2      | Q1JVV3_DESAC | Q1jvv3 | desulfuromo  | Q1jvv3 | desulfuromo  |
| 1135 | 429 | 2 | Q8UZF9_GAMMA | Q8uzf9 | leptothec    |       | 58.5 | 11.7 | 1208 | 1 | Q8UZF9_GAMMA | Q8uzf9 | leptothec    | Q8uzf9 | leptothec    | 1208 | 58   | 11.6 | 125  | 2      | Q6ZT15_HUMAN | Q6zt15 | homo sapien  | Q6zt15 | homo sapien  |
| 1136 | 463 | 2 | Q68QF3_LITFO | Q68qf3 | lithobius f  |       | 58.5 | 11.7 | 1209 | 1 | Q68QF3_LITFO | Q68qf3 | lithobius f  | Q68qf3 | lithobius f  | 1209 | 58   | 11.6 | 126  | 2      | Q6F4F7_TRISC | Q6f4f7 | trikiak scy  | Q6f4f7 | trikiak scy  |
| 1137 | 492 | 1 | FSCN2_BOVIN  | Q18728 | bos taurus   |       | 58.5 | 11.7 | 1210 | 1 | Q18728_BOVIN | Q18728 | bos taurus   | Q18728 | bos taurus   | 1210 | 58   | 11.6 | 127  | 2      | Q8T5W9_CAEER | Q8t5w9 | caenorhabdi  | Q8t5w9 | caenorhabdi  |
| 1138 | 513 | 2 | Q9VJW7_DROME | Q9vjw7 | drosophila   |       | 58.5 | 11.7 | 1211 | 1 | Q9VJW7_DROME | Q9vjw7 | drosophila   | Q9vjw7 | drosophila   | 1211 | 58   | 11.6 | 128  | 2      | Q8T5X1_CAEER | Q8t5x1 | caenorhabdi  | Q8t5x1 | caenorhabdi  |
| 1139 | 539 | 2 | Q91VM8_MOUSE | Q91vm8 | mus musculus |       | 58.5 | 11.7 | 1212 | 1 | Q91VM8_MOUSE | Q91vm8 | mus musculus | Q91vm8 | mus musculus | 1212 | 58   | 11.6 | 129  | 2      | Q8T5X4_CAEER | Q8t5x4 | caenorhabdi  | Q8t5x4 | caenorhabdi  |
| 1140 | 554 | 2 | Q9HBQ2_HUMAN | Q9hbq2 | homo sapien  |       | 58.5 | 11.7 | 1213 | 1 | Q9HBQ2_HUMAN | Q9hbq2 | homo sapien  | Q9hbq2 | homo sapien  | 1213 | 58   | 11.6 | 168  | 2      | Q2LZNS_PSEAP | Q2lzn5 | drosophila   | Q2lzn5 | drosophila   |
| 1141 | 565 | 2 | Q5RBP1_PONPY | Q5rbp1 | pongo pygma  |       | 58.5 | 11.7 | 1214 | 1 | Q5RBP1_PONPY | Q5rbp1 | pongo pygma  | Q5rbp1 | pongo pygma  | 1214 | 58   | 11.6 | 170  | 2      | Q912H3_PSEAP | Q912h3 | pseape       | Q912h3 | pseape       |
| 1142 | 575 | 2 | Q729Y7_DNSVH | Q729y7 | desulfuovib  |       | 58.5 | 11.7 | 1215 | 1 | Q729Y7_DNSVH | Q729y7 | desulfuovib  | Q729y7 | desulfuovib  | 1215 | 58   | 11.6 | 187  | 2      | Q1WNB2_9AGAR | Q1wnb2 | coprinellus  | Q1wnb2 | coprinellus  |
| 1143 | 581 | 2 | Q4OY44_KRIVA | Q4oy44 | kineococcus  |       | 58.5 | 11.7 | 1216 | 1 | Q4OY44_KRIVA | Q4oy44 | kineococcus  | Q4oy44 | kineococcus  | 1216 | 58   | 11.6 | 190  | 2      | Q93518_AGKHB | Q93518 | agkistrodon  | Q93518 | agkistrodon  |
| 1144 | 583 | 2 | Q6A008_MOUSE | Q6a008 | mus musculus |       | 58.5 | 11.7 | 1217 | 1 | Q6A008_MOUSE | Q6a008 | mus musculus | Q6a008 | mus musculus | 1217 | 58   | 11.6 | 199  | 2      | Q9H557_HUMAN | Q9h557 | homo sapien  | Q9h557 | homo sapien  |
| 1145 | 585 | 1 | Q5AKX6_CANAL | Q5akx6 | candida alb  |       | 58.5 | 11.7 | 1218 | 1 | Q5AKX6_CANAL | Q5akx6 | candida alb  | Q5akx6 | candida alb  | 1218 | 58   | 11.6 | 210  | 2      | Q8WSM7_PLACH | Q8wsn7 | plasmodium   | Q8wsn7 | plasmodium   |
| 1146 | 585 | 1 | Q4RYUO_TETNG | Q4ryuo | tetradodon n |       | 58.5 | 11.7 | 1219 | 1 | Q4RYUO_TETNG | Q4ryuo | tetradodon n | Q4ryuo | tetradodon n | 1219 | 58   | 11.6 | 212  | 2      | Q90Y44_AGKHP | Q90y44 | agkistrodon  | Q90y44 | agkistrodon  |
| 1147 | 585 | 1 | Q6BET7_CAEEL | Q6bet7 | caenorhabdi  |       | 58.5 | 11.7 | 1220 | 1 | Q6BET7_CAEEL | Q6bet7 | caenorhabdi  | Q6bet7 | caenorhabdi  | 1220 | 58   | 11.6 | 227  | 2      | Q1AVJ3_9ACTN | Q1avj4 | geobacter    | Q1avj4 | geobacter    |
| 1148 | 585 | 1 | Q4RYT9_TETNG | Q4ryt9 | tetradodon n |       | 58.5 | 11.7 | 1221 | 1 | Q4RYT9_TETNG | Q4ryt9 | tetradodon n | Q4ryt9 | tetradodon n | 1221 | 58   | 11.6 | 228  | 2      | Q39X70_GEOGM | Q39x70 | geobacter m  | Q39x70 | geobacter m  |
| 1149 | 585 | 1 | Q6NX58_HUMAN | Q6nx58 | homo sapien  |       | 58.5 | 11.7 | 1222 | 1 | Q6NX58_HUMAN | Q6nx58 | homo sapien  | Q6nx58 | homo sapien  | 1222 | 58   | 11.6 | 229  | 2      | Q4PN05_IXOSC | Q4pn05 | ixodes scap  | Q4pn05 | ixodes scap  |
| 1150 | 585 | 1 | Q9BIM7_TOXGO | Q9bim7 | xenoplasma   |       | 58.5 | 11.7 | 1223 | 1 | Q9BIM7_TOXGO | Q9bim7 | xenoplasma   | Q9bim7 | xenoplasma   | 1223 | 58   | 11.6 | 238  | 2      | Q3V1G0_MOUSE | Q3v1g0 | mus musculus | Q3v1g0 | mus musculus |
| 1151 | 701 | 1 | TRFE_XENLA   | P20233 | xenopus lae  |       | 58.5 | 11.7 | 1224 | 1 | TRFE_XENLA   | P20233 | xenopus lae  | Q9bim7 | xenoplasma   | 1224 | 58   | 11.6 | 275  | 2      | Q7TGA5_EAV   | Q7tga5 | equine arte  | Q7tga5 | equine arte  |
| 1152 | 712 | 2 | Q9VG15_DROME | Q9vg15 | drosophila   |       | 58.5 | 11.7 | 1225 | 1 | Q9VG15_DROME | Q9vg15 | drosophila   | Q9bim7 | xenoplasma   | 1225 | 58   | 11.6 | 277  | 2      | Q31Z9R_RHOS4 | Q31z9r | rhodobacter  | Q31z9r | rhodobacter  |
| 1153 | 712 | 2 | Q8IGX5_DROME | Q8igx5 | drosophila   |       | 58.5 | 11.7 | 1226 | 1 | Q8IGX5_DROME | Q8igx5 | drosophila   | Q8igx5 | drosophila   | 1226 | 58   | 11.6 | 287  | 2      | Q207F3_9HOMO | Q207f3 | polyozellus  | Q207f3 | polyozellus  |
| 1154 | 721 | 2 | Q3JG10_BURPI | Q3jg10 | burkholderi  |       | 58.5 | 11.7 | 1227 | 1 | Q3JG10_BURPI | Q3jg10 | burkholderi  | Q3jg10 | burkholderi  | 1227 | 58   | 11.6 | 288  | 2      | Q9XYV5_TOXCA | Q9xyv5 | toxocara ca  | Q9xyv5 | toxocara ca  |
| 1155 | 721 | 2 | Q1902_XENLA  | Q1902  | xenopus lae  |       | 58.5 | 11.7 | 1228 | 1 | Q1902_XENLA  | Q1902  | xenopus lae  | Q1902  | xenopus lae  | 1228 | 58   | 11.6 | 288  | 2      | Q9XVX3_TRIER | Q9xvx3 | trichodesmi  | Q9xvx3 | trichodesmi  |
| 1156 | 731 | 2 | Q47Z54_COLP3 | Q47z54 | colwellia p  |       | 58.5 | 11.7 | 1229 | 1 | Q47Z54_COLP3 | Q47z54 | colwellia p  | Q47z54 | colwellia p  | 1229 | 58   | 11.6 | 296  | 2      | Q2QJD1_9CYAN | Q2qjd1 | symploca at  | Q2qjd1 | symploca at  |
| 1157 | 739 | 2 | Q77S87_ADEAE | Q77s87 | aedes aegypt |       | 58.5 | 11.7 | 1230 | 1 | Q77S87_ADEAE | Q77s87 | aedes aegypt | Q77s87 | aedes aegypt | 1230 | 58   | 11.6 | 296  | 2      | Q2QJC9_9CYAN | Q2qjc9 | symploca at  | Q2qjc9 | symploca at  |
| 1158 | 762 | 2 | Q4V6V0_DROME | Q4v6v0 | drosophila   |       | 58.5 | 11.7 | 1231 | 1 | Q4V6V0_DROME | Q4v6v0 | drosophila   | Q4v6v0 | drosophila   | 1231 | 58   | 11.6 | 296  | 2      | Q2QJD0_9CYAN | Q2qjd0 | symploca at  | Q2qjd0 | symploca at  |
| 1159 | 764 | 2 | Q215S0_GLOIN | Q215s0 | glomus intr  |       | 58.5 | 11.7 | 1232 | 1 | Q215S0_GLOIN | Q215s0 | glomus intr  | Q215s0 | glomus intr  | 1232 | 58   | 11.6 | 299  | 2      | Q7XBT0_ORYSA | Q7xbt0 | oryza sativ  | Q7xbt0 | oryza sativ  |
| 1160 | 787 | 1 | ADA32_HUMAN  | Q8tc27 | homo sapien  |       | 58.5 | 11.7 | 1233 | 1 | ADA32_HUMAN  | Q8tc27 | homo sapien  | Q8tc27 | homo sapien  | 1233 | 58   | 11.6 | 299  | 2      | Q9FRP5_ORYSA | Q9frp5 | oryza sativ  | Q9frp5 | oryza sativ  |
| 1161 | 787 | 2 | Q22QJ7_TETTH | Q22qj7 | tetrahymena  |       | 58.5 | 11.7 | 1234 | 1 | Q22QJ7_TETTH | Q22qj7 | tetrahymena  | Q22qj7 | tetrahymena  | 1234 | 58   | 11.6 | 305  | 2      | Q7Z7Y8_9AGAR | Q7z7y8 | mallocybe s  | Q7z7y8 | mallocybe s  |
| 1162 | 799 | 2 | Q175Q9_ADEAE | Q175q9 | aedes aegypt |       | 58.5 | 11.7 | 1235 | 1 | Q175Q9_ADEAE | Q175q9 | aedes aegypt | Q175q9 | aedes aegypt | 1235 | 58   | 11.6 | 305  | 2      | Q6D150_BRARE | Q6d150 | brachydanio  | Q6d150 | brachydanio  |
| 1163 | 813 | 2 | Q9ULN3_HUMAN | Q9uln3 | homo sapien  |       | 58.5 | 11.7 | 1236 | 1 | Q9ULN3_HUMAN | Q9uln3 | homo sapien  | Q9uln3 | homo sapien  | 1236 | 58   | 11.6 | 310  | 2      | Q207G0_9HOMO | Q207g0 | hericium am  | Q207g0 | hericium am  |
| 1164 | 841 | 2 | Q3KQ33_HUMAN | Q3kq33 | homo sapien  |       | 58.5 | 11.7 | 1237 | 1 | Q3KQ33_HUMAN | Q3kq33 | homo sapien  | Q3kq33 | homo sapien  | 1237 | 58   | 11.6 | 320  | 2      | Q90281_BRARE | Q90281 | brachydanio  | Q90281 | brachydanio  |
| 1165 | 847 | 2 | Q6R6C8_LISIV | Q6r6c8 | liasteria iv |       | 58.5 | 11.7 | 1238 | 1 | Q6R6C8_LISIV | Q6r6c8 | liasteria iv | Q6r6c8 | liasteria iv | 1238 | 58   | 11.6 | 320  | 2      | Q199T1_9AGAR | Q199t1 | naucoria vi  | Q199t1 | naucoria vi  |
| 1166 | 882 | 2 | Q5EWZ4_TRITU | Q5ewz4 | tritricum tu |       | 58.5 | 11.7 | 1239 | 1 | Q5EWZ4_TRITU | Q5ewz4 | tritricum tu | Q5ewz4 | tritricum tu | 1239 | 58   | 11.6 | 331  | 2      | Q6R7N8_9AGAR | Q6r7n8 | phasecolllyb | Q6r7n8 | phasecolllyb |
| 1167 | 894 | 2 | Q17429_CAEEL | Q17429 | caenorhabdi  |       | 58.5 | 11.7 | 1240 | 1 | Q17429_CAEEL | Q17429 | caenorhabdi  | Q17429 | caenorhabdi  | 1240 | 58   | 11.6 | 331  | 2      | Q6R7F1_9APHV | Q6r7f1 | trechispora  | Q6r7f1 | trechispora  |
| 1168 | 895 | 2 | Q9LX25_ARATH | Q9lx25 | arabidopsis  |       | 58.5 | 11.7 | 1241 | 1 | Q9LX25_ARATH | Q9lx25 | arabidopsis  | Q9lx25 | arabidopsis  | 1241 | 58   | 11.6 | 332  | 2      | Q72816_9AGAR | Q72816 | inocybe gla  | Q72816 | inocybe gla  |
| 1169 | 898 | 2 | Q8MQG2_CAEEL | Q8mqg2 | caenorhabdi  |       | 58.5 | 11.7 | 1242 | 1 | Q8MQG2_CAEEL | Q8mqg2 | caenorhabdi  | Q8mqg2 | caenorhabdi  | 1242 | 58   | 11.6 | 332  | 2      | Q72816_9AGAR | Q72816 | inocybe gla  | Q72816 | inocybe gla  |
| 1170 | 901 | 2 | Q6AV10_ORYSA | Q6av10 | oryza sativ  |       | 58.5 | 11.7 | 1243 | 1 | Q6AV10_ORYSA | Q6av10 | oryza sativ  | Q6av10 | oryza sativ  | 1243 | 58   | 11.6 | 334  | 2      | Q727Z7_9AGAR | Q727z7 | inocybe que  | Q727z7 | inocybe que  |
| 1171 | 907 | 2 | Q5EWZ0_WHEAT | Q5ewz0 | tritricum ae |       | 58.5 | 11.7 | 1244 | 1 | Q5EWZ0_WHEAT | Q5ewz0 | tritricum ae | Q5ewz0 | tritricum ae | 1244 | 58   | 11.6 | 334  | 2      | Q728E6_9AGAR | Q728e6 | inocybe flo  | Q728e6 | inocybe flo  |
| 1172 | 907 | 2 | Q947C9_TRIMO | Q947c9 | tritricum mo |       | 58.5 | 11.7 | 1245 | 1 | Q947C9_TRIMO | Q947c9 | tritricum mo | Q947c9 | tritricum mo | 1245 | 58   | 11.6 | 334  | 2      | Q1KLK3_9AGAR | Q1klk3 | laccyria cal | Q1klk3 | laccyria cal |
| 1173 | 925 | 2 | Q9U4E4_CAEEL | Q9u4e4 | caenorhabdi  |       | 58.5 | 11.7 | 1246 | 1 | Q9U4E4_CAEEL | Q9u4e4 | caenorhabdi  | Q9u4e4 | caenorhabdi  | 1246 | 58   | 11.6 | 335  | 2      | Q72826_9AGAR | Q72826 | inocybe cer  | Q72826 | inocybe cer  |
| 1174 | 925 | 2 | Q44191_CAEEL | Q44191 | caenorhabdi  |       | 58.5 | 11.7 | 1247 | 1 | Q44191_CAEEL | Q44191 | caenorhabdi  | Q44191 | caenorhabdi  | 1247 | 58   | 11.6 | 336  | 2      | Q207H4_9AGAR | Q207h4 | tubaria con  | Q207h4 | tubaria con  |
| 1175 | 960 | 2 | Q8MM07_CAEEL | Q8mm07 | caenorhabdi  |       | 58.5 | 11.7 | 1248 | 1 | Q8MM07_CAEEL | Q8mm07 | caenorhabdi  | Q8mm07 | caenorhabdi  | 1248 | 58   | 11.6 | 337  | 2      | Q207H3_9HOMO | Q207h3 | phallus had  | Q207h3 | phallus had  |
| 1176 | 962 | 1 | KR73_ICHV1   | Q00094 | ictalurid h  |       | 58.5 | 11.7 | 1249 | 1 | KR73_ICHV1   | Q00094 | ictalurid h  | Q00094 | ictalurid h  | 1249 | 58   | 11.6 | 339  | 2      | Q2ERZ1_9HOMO | Q2erz1 | bolotellus   | Q2erz1 | bolotellus   |
| 1177 | 974 | 2 | Q6D1I4_XENTR | Q6d1i4 | xenopus tro  |       | 58.5 | 11.7 | 1250 | 1 | Q6D1I4_XENTR | Q6d1i4 | xenopus tro  | Q6d1i4 | xenopus tro  | 1250 | 58   | 11.6 | 342  | 2      | Q68FN3_MOUSE | Q68fn3 | mus musculus | Q68fn3 | mus musculus |
| 1178 | 994 | 2 | Q22QJ5_TETTH | Q22qj5 | tetrahymena  |       | 58.5 | 11.7 | 1251 | 1 | Q22QJ5_TETTH | Q22qj5 | tetrahymena  | Q22qj5 | tetrahymena  | 1251 | 58   | 11.6 | 346  | 2      | Q27S85_9AGAR | Q27s85 | agrocycy pr  | Q2     |              |

|      |    |      |     |   |               |                     |      |    |      |      |   |              |                     |
|------|----|------|-----|---|---------------|---------------------|------|----|------|------|---|--------------|---------------------|
| 1273 | 58 | 11.6 | 351 | 2 | Q1KLA4_9AGAR  | Q1kla4 pleuroflamm  | 1346 | 58 | 11.6 | 694  | 2 | Q5TWT0_ANOGA | Q5twt0 anopheles g  |
| 1274 | 58 | 11.6 | 351 | 2 | Q1HHT8_9AGAR  | Q1hnt8 stropharia   | 1347 | 58 | 11.6 | 696  | 2 | Q1KLL0_9AGAR | Q1kll0 camarophyll  |
| 1275 | 58 | 11.6 | 352 | 2 | Q27T06_9HOMO  | Q27t06 utrobasisid  | 1348 | 58 | 11.6 | 698  | 2 | Q5US90_9APHY | Q5us90 athelia bom  |
| 1276 | 58 | 11.6 | 352 | 2 | Q1KLA9_9AGAR  | Q1kla9 melanoleuca  | 1349 | 58 | 11.6 | 699  | 2 | Q5U7W9_COPCM | Q5u7w9 coprinus co  |
| 1277 | 58 | 11.6 | 353 | 2 | Q207H5_9AGAR  | Q207h5 tricholomop  | 1350 | 58 | 11.6 | 700  | 2 | Q5S2C1_9AGAR | Q5s2c1 collybia tu  |
| 1278 | 58 | 11.6 | 354 | 2 | Q207H5_9AGAR  | Q207h5 tricholomop  | 1351 | 58 | 11.6 | 701  | 2 | Q1KLL6_9AGAR | Q1kll6 hygrophorus  |
| 1279 | 58 | 11.6 | 354 | 2 | Q1KLA6_9AGAR  | Q1kla6 mycena aura  | 1352 | 58 | 11.6 | 705  | 2 | Q5S3M3_9AGAR | Q5s3m3 marasmius a  |
| 1280 | 58 | 11.6 | 357 | 2 | Q1KLM5_9HOMO  | Q1klm5 cyathus str  | 1353 | 58 | 11.6 | 711  | 2 | Q2ERY9_9HOMO | Q2ery9 coniofpora   |
| 1281 | 58 | 11.6 | 357 | 2 | Q2HX22_9AGAR  | Q2hx22 asterophora  | 1354 | 58 | 11.6 | 716  | 2 | Q207F5_9HETE | Q207f5 tremelloiden |
| 1282 | 58 | 11.6 | 357 | 2 | Q2HXY7_9AGAR  | Q2hxy7 tricholoma   | 1355 | 58 | 11.6 | 721  | 2 | Q5S2C0_9AGAR | Q5s2c0 rhodocollyb  |
| 1283 | 58 | 11.6 | 358 | 2 | Q2HX19_9AGAR  | Q2hxy9 lyophyllum   | 1356 | 58 | 11.6 | 728  | 1 | PBLN1_CAEEL  | 077469 caenorhabdi  |
| 1284 | 58 | 11.6 | 358 | 2 | Q2HX20_9AGAR  | Q2hx20 lyophyllum   | 1357 | 58 | 11.6 | 728  | 2 | Q5ISQ9_CAEEL | Q5isq9 caenorhabdi  |
| 1285 | 58 | 11.6 | 358 | 2 | Q2HX21_9AGAR  | Q2hx21 calocybe ca  | 1358 | 58 | 11.6 | 741  | 2 | Q2FNS9_METHU | Q2fns9 methanospir  |
| 1286 | 58 | 11.6 | 361 | 2 | Q207F2_9APHY  | Q207f2 trechispora  | 1359 | 58 | 11.6 | 744  | 2 | Q4DJ56_TRYCR | Q4dj56 trypanosoma  |
| 1287 | 58 | 11.6 | 367 | 2 | Q4RUJ5_TETNG  | Q4rju5 tetraodon n  | 1360 | 58 | 11.6 | 750  | 2 | Q4RTV7_TETNG | Q4rtv7 tetraodon n  |
| 1288 | 58 | 11.6 | 370 | 2 | Q207F9_9AGAR  | Q207f9 lactarius l  | 1361 | 58 | 11.6 | 754  | 2 | Q5TNY8_ANOGA | Q5tny8 anopheles g  |
| 1289 | 58 | 11.6 | 373 | 2 | Q1L686_BRARE  | Q1l686 brachydania  | 1362 | 58 | 11.6 | 755  | 1 | COMP_RAT     | P35444 rattus norv  |
| 1290 | 58 | 11.6 | 398 | 2 | Q2C1Q0_9GAMM  | Q2c1q0 photobacter  | 1363 | 58 | 11.6 | 770  | 2 | Q873V7_9AGAR | Q873v7 chondroster  |
| 1291 | 58 | 11.6 | 413 | 2 | Q2SXX4_MYCVN  | Q2sxx4 mycobacteri  | 1364 | 58 | 11.6 | 801  | 2 | Q4D260_TRYCR | Q4d260 trypanosoma  |
| 1292 | 58 | 11.6 | 415 | 2 | Q90ZE3_BRARE  | Q90ze3 brachydania  | 1365 | 58 | 11.6 | 820  | 2 | Q9FFX8_ARATH | Q9ffx8 arabidopsis  |
| 1293 | 58 | 11.6 | 418 | 2 | Q6NP02_DROME  | Q6np02 drachydanio  | 1366 | 58 | 11.6 | 848  | 2 | Q873T2_9AGAR | Q873t2 henningsomy  |
| 1294 | 58 | 11.6 | 422 | 2 | Q39ZC0_GEOMG  | Q39zc0 geobacter m  | 1367 | 58 | 11.6 | 849  | 2 | Q873U3_9HOMO | Q873u3 lycoperdon   |
| 1295 | 58 | 11.6 | 432 | 2 | Q1KLA0_9AGAR  | Q1kla0 rhodocycbe m | 1368 | 58 | 11.6 | 863  | 2 | Q5S3M4_9HOMO | Q5s3m4 hygrophorop  |
| 1296 | 58 | 11.6 | 448 | 2 | Q9NPM2_HUMAN  | Q9npm2 homo sapien  | 1369 | 58 | 11.6 | 869  | 2 | Q6NS01_XENLA | Q6ns01 xenopus lae  |
| 1297 | 58 | 11.6 | 461 | 2 | Q8PJ71_XANAC  | Q8pj71 xanthomonas  | 1370 | 58 | 11.6 | 878  | 2 | Q42126_XENLA | Q42126 xenopus lae  |
| 1298 | 58 | 11.6 | 465 | 2 | Q2KGU4_MAGGR  | Q2kgu4 magnaporthe  | 1371 | 58 | 11.6 | 880  | 2 | Q6QJD4_9AGAR | Q6qjd4 cortinariu   |
| 1299 | 58 | 11.6 | 479 | 2 | Q6MGL5_BDEBA  | Q6mgl5 bdellovibri  | 1372 | 58 | 11.6 | 882  | 2 | Q27T04_9APHY | Q27t04 vuilleminia  |
| 1300 | 58 | 11.6 | 491 | 2 | Q2K017_RHIEC  | Q2k017 rhizobium e  | 1373 | 58 | 11.6 | 884  | 2 | Q27S75_9AGAR | Q27s75 macrolepiot  |
| 1301 | 58 | 11.6 | 504 | 2 | Q7QJ41_ANOGA  | Q7qj41 anopheles g  | 1374 | 58 | 11.6 | 889  | 2 | Q5U7W5_ARMME | Q5u7w5 armillaria   |
| 1302 | 58 | 11.6 | 515 | 2 | Q6QF59_HETAN  | Q6qf59 heterobasid  | 1375 | 58 | 11.6 | 892  | 2 | Q5S3M2_9APHY | Q5s3m2 phylloctopi  |
| 1303 | 58 | 11.6 | 525 | 2 | Q24433_ARATH  | Q24433 arabidopsis  | 1376 | 58 | 11.6 | 891  | 2 | Q9SHG9_ARATH | Q9shg9 arabidopsis  |
| 1304 | 58 | 11.6 | 551 | 2 | Q9967_CAEEL   | Q9967 caenorhabdi   | 1377 | 58 | 11.6 | 892  | 2 | Q5EGJ2_9HOMO | Q5egj2 cotylidia s  |
| 1305 | 58 | 11.6 | 559 | 2 | Q7PMP9_9ANOGA | Q7pmp9 anopheles g  | 1378 | 58 | 11.6 | 898  | 2 | Q5RM00_9HOMO | Q5rm00 fomitiporia  |
| 1306 | 58 | 11.6 | 576 | 2 | Q9Y3V7_HUMAN  | Q9y3v7 homo sapien  | 1379 | 58 | 11.6 | 898  | 2 | Q5UPZ4_HUMAN | Q5upz4 macaca fusc  |
| 1307 | 58 | 11.6 | 578 | 2 | Q8PLD7_XANAC  | Q8pld7 xanthomonas  | 1380 | 58 | 11.6 | 899  | 2 | Q5S2C2_9HOMO | Q5s2c2 boletellus   |
| 1308 | 58 | 11.6 | 600 | 2 | Q207F4_9HOMO  | Q207f4 hydnellum g  | 1381 | 58 | 11.6 | 908  | 2 | Q5S3L8_9HOMO | Q5s3l8 strobilomyc  |
| 1309 | 58 | 11.6 | 608 | 2 | Q4P9C1_USTWA  | Q4p9c1 ustilago ma  | 1382 | 58 | 11.6 | 913  | 2 | Q8AY18_RANES | Q8ay18 rana escul   |
| 1310 | 58 | 11.6 | 608 | 2 | Q627A0_CAEER  | Q627a0 caenorhabdi  | 1383 | 58 | 11.6 | 914  | 2 | Q9UVA3_AGABI | Q9uva3 agaricus bi  |
| 1311 | 58 | 11.6 | 628 | 2 | Q9VER6_DROME  | Q9ver6 drosophila   | 1384 | 58 | 11.6 | 917  | 2 | Q6RY19_AMPAP | Q6ry19 amanita pha  |
| 1312 | 58 | 11.6 | 629 | 2 | Q1KM07_9AGAR  | Q1km07 conocybe la  | 1385 | 58 | 11.6 | 949  | 1 | Q3V7A7_9PRIM | Q3v7a7 macaca fusc  |
| 1313 | 58 | 11.6 | 630 | 2 | Q5RLZ7_9AGAR  | Q5rlz7 malloccybe d | 1386 | 58 | 11.6 | 980  | 1 | TSP4_RAT     | P49744 rattus norv  |
| 1314 | 58 | 11.6 | 640 | 2 | Q1N0R4_9GAMM  | Q1n0r4 oceanobacte  | 1387 | 58 | 11.6 | 1015 | 2 | Q3UGT7_MOUSE | Q3ugt7 mus musculu  |
| 1315 | 58 | 11.6 | 641 | 2 | Q1KLM4_9AGAR  | Q1klm4 agrocycbe er | 1388 | 58 | 11.6 | 1026 | 2 | Q8SWY0_DROME | Q8swy0 drosophila   |
| 1316 | 58 | 11.6 | 645 | 2 | Q5S3M1_FLEOS  | Q5s3m1 pleurotus o  | 1389 | 58 | 11.6 | 1121 | 2 | Q966P9_CAEEL | Q966p9 caenorhabdi  |
| 1317 | 58 | 11.6 | 646 | 2 | Q5S3M0_9AGAR  | Q5s3m0 pluteus rom  | 1390 | 58 | 11.6 | 1123 | 2 | Q6V7X2_OROMI | Q6v7x2 orobanche m  |
| 1318 | 58 | 11.6 | 654 | 2 | Q5U7W6_9AGAR  | Q5u7w6 ampollocit   | 1391 | 58 | 11.6 | 1123 | 2 | Q966Q0_CAEEL | Q966q0 caenorhabdi  |
| 1319 | 58 | 11.6 | 655 | 2 | Q1KLL3_9AGAR  | Q1kl13 hygrocycbe c | 1392 | 58 | 11.6 | 1148 | 1 | FBLN2_HUMAN  | P98095 homo sapien  |
| 1320 | 58 | 11.6 | 656 | 2 | Q27T09_9HOMO  | Q27t09 tulasnella   | 1393 | 58 | 11.6 | 1184 | 2 | Q86V58_MOUSE | Q86v58 homo sapien  |
| 1321 | 58 | 11.6 | 657 | 2 | Q207H2_9AGAR  | Q207h2 rickenella   | 1394 | 58 | 11.6 | 1200 | 2 | Q8VD07_MOUSE | Q8vd07 mus musculu  |
| 1322 | 58 | 11.6 | 667 | 2 | Q27S81_9AGAR  | Q27s81 clavulinops  | 1395 | 58 | 11.6 | 1217 | 1 | EGF_MOUSE    | P01132 mus musculu  |
| 1323 | 58 | 11.6 | 669 | 2 | Q1KLK6_9AGAR  | Q1klk6 kuehneromyc  | 1396 | 58 | 11.6 | 1217 | 2 | Q569W5_MOUSE | Q569w5 mus musculu  |
| 1324 | 58 | 11.6 | 669 | 2 | Q5S3L6_9AGAR  | Q5s3l6 oudemansiel  | 1397 | 58 | 11.6 | 1231 | 2 | Q8IU10_HUMAN | Q8iu10 homo sapien  |
| 1325 | 58 | 11.6 | 670 | 2 | Q1KLL2_9AGAR  | Q1kl12 hygrocycbe m | 1398 | 58 | 11.6 | 1231 | 2 | Q8IU11_HUMAN | Q8iu11 homo sapien  |
| 1326 | 58 | 11.6 | 670 | 2 | Q27T08_9HOMO  | Q27t08 tulasnella   | 1399 | 58 | 11.6 | 1241 | 2 | Q1WMR3_9AGAR | Q1wmr3 coprinellus  |
| 1327 | 58 | 11.6 | 671 | 2 | Q5S2B9_9APHY  | Q5s2b9 hyphoderma   | 1400 | 58 | 11.6 | 1249 | 1 | APAF_RAT     | Q9epv5 rattus norv  |
| 1328 | 58 | 11.6 | 675 | 2 | Q27S82_9AGAR  | Q27s82 cantharocycb | 1401 | 58 | 11.6 | 1275 | 2 | Q61PE4_CAEER | Q61pe4 caenorhabdi  |
| 1329 | 58 | 11.6 | 676 | 2 | Q27T07_9HOMO  | Q27t07 tulasnella   | 1402 | 58 | 11.6 | 1296 | 2 | Q6AWM6_DROME | Q6awm6 drosophila   |
| 1330 | 58 | 11.6 | 677 | 2 | Q5S3L9_9APHY  | Q5s3l9 ramaria rub  | 1403 | 58 | 11.6 | 1311 | 2 | Q4RUS3_TETNG | Q4rus3 tetraodon n  |
| 1331 | 58 | 11.6 | 685 | 2 | Q1KLM1_9AGAR  | Q1klm1 gloiocephal  | 1404 | 58 | 11.6 | 1420 | 2 | Q4SYJ8_SCHMD | Q4syj8 schmidtea m  |
| 1332 | 58 | 11.6 | 686 | 2 | Q5RM01_9AGAR  | Q5rm01 hygrocycbe c | 1405 | 58 | 11.6 | 1428 | 2 | Q44341_HALRU | Q44341 haliotis ru  |
| 1333 | 58 | 11.6 | 687 | 2 | Q1PB62_9AGAR  | Q1pb62 hydropus cf  | 1406 | 58 | 11.6 | 1440 | 2 | Q2HAU6_CHAGB | Q2haue6 chaetomium  |
| 1334 | 58 | 11.6 | 687 | 2 | Q7Z8B0_9AGAR  | Q7z8b0 phaeomarasam | 1407 | 58 | 11.6 | 1469 | 2 | Q6PD04_MOUSE | Q6pd04 mus musculu  |
| 1335 | 58 | 11.6 | 688 | 2 | Q27S77_9AGAR  | Q27s77 incocybe coo | 1408 | 58 | 11.6 | 1477 | 2 | Q4H3A4_CLOIN | Q4h3a4 ciona intes  |
| 1336 | 58 | 11.6 | 688 | 2 | Q1KLL5_9APHY  | Q1kl15 hydnopolypo  | 1409 | 58 | 11.6 | 1483 | 2 | Q4CNR3_TRYCR | Q4cnr3 trypanosoma  |
| 1337 | 58 | 11.6 | 689 | 2 | Q1KL17_9AGAR  | Q1kl17 hemimyccena  | 1410 | 58 | 11.6 | 1517 | 2 | Q6KAS1_MOUSE | Q6kas1 mus musculu  |
| 1338 | 58 | 11.6 | 690 | 2 | Q1KML4_9AGAR  | Q1klm4 basiospora m | 1411 | 58 | 11.6 | 1517 | 2 | Q3UPH7_MOUSE | Q3uph7 mus musculu  |
| 1339 | 58 | 11.6 | 690 | 2 | Q1KML0_9AGAR  | Q1klm0 cheimomophy  | 1412 | 58 | 11.6 | 1673 | 2 | Q4RSP7_TETNG | Q4rsp7 tetraodon n  |
| 1340 | 58 | 11.6 | 691 | 2 | Q1KLL1_9AGAR  | Q1kl11 hygrophorus  | 1413 | 58 | 11.6 | 1686 | 2 | Q6P7J9_HUMAN | Q6p7j9 homo sapien  |
| 1341 | 58 | 11.6 | 691 | 2 | Q5S3M8_FLAVE  | Q5s3m8 flammulina   | 1414 | 58 | 11.6 | 1790 | 1 | LAMB1_DROME  | P11046 drosophila   |
| 1342 | 58 | 11.6 | 693 | 2 | Q1KLM0_9AGAR  | Q1klm0 gymnocypus c | 1415 | 58 | 11.6 | 1805 | 2 | Q7QVW0_GIALA | Q7qvwo giardia lam  |
| 1343 | 58 | 11.6 | 693 | 2 | Q5U7W1_9AGAR  | Q5u7w1 clitocybe co | 1416 | 58 | 11.6 | 2030 | 2 | Q2WBY6_PLADU | Q2wby6 platynereis  |
| 1344 | 58 | 11.6 | 694 | 2 | Q5U7W7_9AGAR  | Q5u7w7 amanita bru  | 1417 | 58 | 11.6 | 2061 | 2 | Q4SRM9_TETNG | Q4srm9 tetraodon n  |
| 1345 | 58 | 11.6 | 694 | 2 | Q5U7W3_9AGAR  | Q5u7w3 clavaria zo  | 1418 | 58 | 11.6 | 2183 | 2 | Q2GN01_CHAGB | Q2gn01 chaetomium   |







RN NUCLEOTIDE SEQUENCE.  
 RP TISSUE=Testis;  
 RG NIH MGC Project;  
 RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.  
 CC -----  
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
 CC Distributed under the Creative Commons Attribution-NoDerivs License  
 CC -----  
 DR EMBL; BC025399; AAH25399.1; -; mRNA.  
 DR HSSP; P25687; LIMT.  
 DR Ensembl; ENSG00000143125; Homo sapiens.  
 DR RZPD-ProExp; IOH11285; -;  
 DR RZPD-ProExp; RZPD0839A10127; -;  
 DR RZPD-ProExp; RZPD0839A10128; -;  
 DR RZPD-ProExp; W1161; -;  
 DR RZPD-ProExp; IPR009523; Prokineticin.  
 DR PANTHER; PTHR18821; Prokineticin; 1.  
 DR Pfam; PF06607; Prokineticin; 1.  
 SQ SEQUENCE 105 AA; 11729 MW; E570FDE30EFB52D2 CRC64;  
  
 Query Match 99.8%; Score 497; DB 2; Length 105;  
 Best Local Similarity 98.8%; Pred. No. 3.6e-47;  
 Matches 85; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 AVITGACERDVOCAGTCCCAISLWLRLGRLMCTPLRGEGECHPGSHKVPFRKRKHTCP 60  
 DB 20 AVITGACERDVOCAGTCCCAISLWLRLGRLMCTPLRGEGECHPGSHKVPFRKRKHTCP 79  
  
 QY 61 CLPNLLCSRFPDGRYRCMDLKNINF 86  
 DB 80 CLPNLLCSRFPDGRYRCMDLKNINF 105  
  
 RESULT 4  
 PROK1\_RAT STANDARD; PRT; 105 AA.  
 ID Q8K417;  
 AC Q8K417;  
 DT 19-JUL-2003, integrated into UniProtKB/Swiss-Prot.  
 DT 01-JUN-2002, sequence version 1.  
 DT 18-APR-2006, entry version 25.  
 DE Prokineticin-1 precursor (Endocrine-gland-derived vascular endothelial growth factor) (EG-VEGF).  
 GN Name=Prok1;  
 OS Rattus norvegicus (Rat).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muridea; Muridae; Murinae; Rattus.  
 OX NCBI\_TaxID=10116;  
 RN NUCLEOTIDE SEQUENCE [MRNA].  
 RP STRAIN=Sprague-Dawley;  
 RC MEDLINE=22050031; PubMed=12054613; DOI=10.1016/S0006-291X(02)00239-5;  
 RA Masuda Y., Takatsu Y., Terao Y., Kunano S., Ishibashi Y., Suenaga M., Abe M., Fukusumi S., Watanabe T., Shintani Y., Yamada T., Hinuma S., Inatomi N., Ohtaki T., Onda H., Fujino M.;  
 RT "Isolation and identification of EG-VEGF/prokineticins as cognate ligands for two orphan G-protein-coupled receptors.";  
 RL Biochem. Biophys. Res. Commun. 293:396-402(2002).  
 CC -1- FUNCTION: Potently contract gastrointestinal (GI) smooth muscle. Induces proliferation, migration and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. Has little or no effect on a variety of other endothelial and non-endothelial cell types (By similarity).  
 CC -1- SUBCELLULAR LOCATION: Secreted protein (By similarity).  
 CC -1- SIMILARITY: Belongs to the prokinectin family.  
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
 CC Distributed under the Creative Commons Attribution-NoDerivs License  
 CC -----  
 DR EMBL; AY089983; AA09104.1; -; mRNA.  
 DR UniGene; Rn.82757; -;

DR HSSP; P25687; LIMT.  
 DR Ensembl; ENSRNOG0000018201; Rattus norvegicus.  
 DR RGD; 620898; Prok1.  
 DR GO; GO:0008283; P:cell proliferation; TAS.  
 DR GO; GO:0045765; P:regulation of angiogenesis; NAS.  
 DR InterPro; IPR009523; Prokineticin.  
 DR PANTHER; PTHR18821; Prokineticin; 1.  
 DR Pfam; PF06607; Prokineticin; 1.  
 DR Growth factor; Mitogen; Signal.  
 FT SIGNAL 1 19 Potential.  
 FT CHAIN 20 105 Prokineticin-1.  
 FT FTID=PRO.0000025808.  
 FT DISULFID 26 38 By similarity.  
 FT DISULFID 32 50 By similarity.  
 FT DISULFID 37 78 By similarity.  
 FT DISULFID 60 86 By similarity.  
 FT DISULFID 80 96 By similarity.  
 SQ SEQUENCE 105 AA; 11643 MW; 8DF0C42122B1C5B6 CRC64;  
  
 Query Match 95.0%; Score 473; DB 1; Length 105;  
 Best Local Similarity 91.9%; Pred. No. 1.7e-44;  
 Matches 79; Conservative 5; Mismatches 2; Indels 0; Gaps 0;  
  
 QY 1 AVITGACERDVOCAGTCCCAISLWLRLGRLMCTPLRGEGECHPGSHKVPFRKRKHTCP 60  
 DB 20 AVITGACERDVOCAGTCCCAISLWLRLGRLMCTPLRGEGECHPGSHKVPFRKRKHTCP 79  
  
 QY 61 CLPNLLCSRFPDGRYRCMDLKNINF 86  
 DB 80 CSPSLLCSRFPDGRYRCMDLKNINF 105  
  
 RESULT 5  
 Q8K457\_MOUSE PRELIMINARY; PRT; 81 AA.  
 ID Q8K457\_MOUSE  
 AC Q8K457;  
 DT 01-OCT-2002, integrated into UniProtKB/TrEMBL.  
 DT 01-OCT-2002, sequence version 1.  
 DT 07-FEB-2006, entry version 12.  
 DE Prokineticin 1 (Fragment).  
 GN Name=Prok1; Synonym=PK1;  
 OS Mus musculus (Mouse).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muridea; Muridae; Murinae; Mus.  
 OX NCBI\_TaxID=10090;  
 RN NUCLEOTIDE SEQUENCE.  
 RP STRAIN=C57BL/6;  
 RC MEDLINE=22022134; PubMed=12024206; DOI=10.1038/417405a;  
 RA Cheng M.Y., Bullock C.M., Li C., Lee A.G., Bermak J.C., Belluzzi J., Weaver D.R., Leslie F.M., Zhou Q.-Y.;  
 RA "Prokineticin 2 transmits the behavioural circadian rhythm of the suprachiasmatic nucleus.";  
 RL Nature 417:405-410(2002).  
 CC -----  
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
 CC Distributed under the Creative Commons Attribution-NoDerivs License  
 CC -----  
 DR EMBL; AF487281; AA049573.1; -; mRNA.  
 DR HSSP; P25687; LIMT.  
 DR Ensembl; ENSMUSG00000046213; Mus musculus.  
 DR MGI; MGI:2180370; Prok1.  
 DR GO; GO:0005576; C:extracellular region; IDA.  
 DR GO; GO:0000187; P:activation of MAPK activity; IDA.  
 DR GO; GO:0007623; P:circadian rhythm; TAS.  
 DR GO; GO:0008284; P:positive regulation of cell proliferation; IDA.  
 DR GO; GO:0045765; P:regulation of angiogenesis; IDA.  
 DR InterPro; IPR009523; Prokineticin.  
 DR PANTHER; PTHR18821; Prokineticin; 1.  
 DR Pfam; PF06607; Prokineticin; 1.  
 FT NON TER 1 1  
 SQ SEQUENCE 81 AA; 9192 MW; 7BBE3EC6B16A8011 CRC64;

Query Match 86.7%; Score 432; DB 2; Length 81;  
 Best Local Similarity 87.7%; Pred. No. 4.5e-40;  
 Matches 71; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 6 ACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHTTCCPLPNL 65  
 DB 1 ACERDIQCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHTTCCPSPL 60

QY 66 LCSRFPDGRYRCMDLKNINF 86  
 DB 61 LCSRFPDGRYRCMDLKNANF 81

RESULT 6  
 Q32FI2\_BOVIN  
 ID Q32FI2\_BOVIN PRELIMINARY; PRT; 81 AA.  
 AC Q32FI2\_BOVIN PRELIMINARY; PRT; 81 AA.  
 DT 27-SEP-2005, integrated into UniProtKB/TrEMBL.  
 DT 27-SEP-2005, sequence version 1.  
 DT 18-APR-2006, entry version 4.  
 DE Prokineticin-1 (Fragment).  
 OS Bos taurus (Bovine).  
 OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia;  
 OC Pecora; Bovidae; Bovinae; Bos.  
 OC NCBI\_TaxID=9913;  
 RN [1]  
 RP NUCLEOTIDE SEQUENCE.  
 RC PubMed=15932929; DOI=10.1210/en.2005-0297;  
 RA Kislouk T., Podlovni H., Spanel-Borowski K., Ovadia O., Zhou Q.Y.,  
 RA Meidan R.;  
 RT "Prokineticins (endocrine gland-derived vascular endothelial growth  
 factor and bV8) in the bovine ovary: expression and role as mitogens  
 and survival factors for corpus luteum-derived endothelial cells.";  
 RT Endocrinology 146:3950-3958(2005).  
 RL  
 CC  
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
 CC Distributed under the Creative Commons Attribution-NoDerivs License

EMBL: AY877432; AAX81517.1; -; mRNA.  
 DR InterPro; IPR009523; Prokineticin.  
 DR PANTHER; PTHR18821; Prokineticin; 1.  
 DR Pfam; PF06607; Prokineticin; 1.  
 FT NON TER 1  
 SQ SEQUENCE 81 AA; 9086 MW; 228834A7B83BA536 CRC64;

Query Match 83.7%; Score 417; DB 2; Length 81;  
 Best Local Similarity 87.7%; Pred. No. 2.1e-38;  
 Matches 71; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 6 ACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHTTCCPLPNL 65  
 DB 1 ACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHTTCCPLPNL 60

QY 66 LCSRFPDGRYRCMDLKNINF 86  
 DB 61 LCSRGLDGRYRCSTNLKNINF 81

RESULT 7  
 Q2XXR8\_VARVA  
 ID Q2XXR8\_VARVA PRELIMINARY; PRT; 104 AA.  
 AC Q2XXR8\_VARVA PRELIMINARY; PRT; 104 AA.  
 DT 20-DEC-2005, integrated into UniProtKB/TrEMBL.  
 DT 20-DEC-2005, sequence version 1.  
 DT 18-APR-2006, entry version 5.  
 DE AVIToxin-VAR1 precursor.  
 OS Varanus varius (Lace monitor).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Lepidosauria; Squamata; Scleroglossa; Anguimorpha; Varanidae; Varanus.  
 OC NCBI\_TaxID=8559;  
 RN [1]

RP NUCLEOTIDE SEQUENCE.  
 RC TISSUE=Compound mandibular venom gland;  
 RX PubMed=16292255; DOI=10.1038/nature04328;  
 RA Fry B.G., Vidal N., Norman J.A., Vonk F.J., Scheib H., Ramjan S.F.,  
 RA Kuruppu S., Fung K., Blair Hedges S., Richardson M.K., Hodgson W.C.,  
 RA Ignjatovic V., Summerhayes R., Kochva E.;  
 RT "Early evolution of the venom system in lizards and snakes.";  
 RL Nature 439:584-588(2006).  
 CC  
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
 CC Distributed under the Creative Commons Attribution-NoDerivs License

EMBL: DQ139877; AAZ75583.1; -; mRNA.  
 DR EMBL; DQ139877; AAZ75583.1; -; mRNA.  
 DR SMR; Q2XXR8; 20-97.  
 DR InterPro; IPR009523; Prokineticin.  
 DR PANTHER; PTHR18821; Prokineticin; 1.  
 DR Pfam; PF06607; Prokineticin; 1.  
 KW Signal.  
 FT SIGNAL 1 19 Potential.  
 FT CHAIN 20 104 AVIToxin-VAR1.  
 SQ SEQUENCE 104 AA; 11217 MW; C25A96B3B59D3AA3 CRC64;

Query Match 69.3%; Score 345; DB 2; Length 104;  
 Best Local Similarity 64.3%; Pred. No. 2.6e-30;  
 Matches 54; Conservative 15; Mismatches 15; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHTTCCP 60  
 DB 20 AVITGACDKDLQCGEGMCCAVSLMIRICTPLGSSGEDCHPLSHKVPFDGQRKHTTCCP 79

QY 61 CLPNLLCSRFDPGRYRCMDLKN1 84  
 DB 80 CLPNLVCGQTSFGKYKCLPFFKNV 103

RESULT 8  
 Q2XXR7\_VARVA  
 ID Q2XXR7\_VARVA PRELIMINARY; PRT; 104 AA.  
 AC Q2XXR7\_VARVA PRELIMINARY; PRT; 104 AA.  
 DT 20-DEC-2005, integrated into UniProtKB/TrEMBL.  
 DT 20-DEC-2005, sequence version 1.  
 DT 18-APR-2006, entry version 5.  
 DE AVIToxin-VAR2 precursor.  
 OS Varanus varius (Lace monitor).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Lepidosauria; Squamata; Scleroglossa; Anguimorpha; Varanidae; Varanus.  
 OC NCBI\_TaxID=8559;  
 RN [1]  
 RP NUCLEOTIDE SEQUENCE.  
 RC TISSUE=Compound mandibular venom gland;  
 RX PubMed=16292255; DOI=10.1038/nature04328;  
 RA Fry B.G., Vidal N., Norman J.A., Vonk F.J., Scheib H., Ramjan S.F.,  
 RA Kuruppu S., Fung K., Blair Hedges S., Richardson M.K., Hodgson W.C.,  
 RA Ignjatovic V., Summerhayes R., Kochva E.;  
 RT "Early evolution of the venom system in lizards and snakes.";  
 RL Nature 439:584-588(2006).  
 CC  
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>  
 CC Distributed under the Creative Commons Attribution-NoDerivs License

EMBL: DQ139878; AAZ75584.1; -; mRNA.  
 DR EMBL; DQ139878; AAZ75584.1; -; mRNA.  
 DR SMR; Q2XXR7; 20-97.  
 DR InterPro; IPR009523; Prokineticin.  
 DR PANTHER; PTHR18821; Prokineticin; 1.  
 DR Pfam; PF06607; Prokineticin; 1.  
 KW Signal.  
 FT SIGNAL 1 19 Potential.  
 FT CHAIN 20 104 AVIToxin-VAR2.  
 SQ SEQUENCE 104 AA; 11191 MW; C25A83A6B59D3AA3 CRC64;

Query Match 68.3%; Score 340; DB 2; Length 104;  
 Best Local Similarity 63.1%; Pred. No. 9.4e-30;  
 Matches 53; Conservative 16; Mismatches 15; Indels 0; Gaps 0;

|    |    |                       |                |                  |             |    |
|----|----|-----------------------|----------------|------------------|-------------|----|
| Qy | 1  | AVITGACERDVQCGAGTCCAI | SNLWGLRMCTPL   | GREGEBCHPGSHKVPP | FFRKQKHHTCP | 60 |
| Db | 20 | AVITGACDNDLQCGEGMCAV  | SLWIRISIRICTPL | SGSSGDCPLSHKVP   | PDGQRKHHTCP | 79 |
| Qy | 61 | CLPNLLCSRFPDGRYRCSMD  | LKNI           | 84               |             |    |
| Db | 80 | CLPNLVCGGOTS          | PGKHKLPEFKNV   | 103              |             |    |

| RESULT 9 | VPRA_DENPO                                                          | ID | VPRA_DENPO | STANDARD; | PRT; | 81 AA. |
|----------|---------------------------------------------------------------------|----|------------|-----------|------|--------|
| AC       | P25687;                                                             |    |            |           |      |        |
| DT       | 01-MAY-1992,                                                        |    |            |           |      |        |
| DT       | integrated into UniProtKB/Swiss-Prot.                               |    |            |           |      |        |
| DT       | 19-JUL-2005, sequence version 3.                                    |    |            |           |      |        |
| DT       | 30-MAY-2006, entry version 38.                                      |    |            |           |      |        |
| DE       | Intestinal toxin 1 (Mamba intestinal toxin 1) (MIT 1) (MIT1) (Venom |    |            |           |      |        |
| DE       | protein A).                                                         |    |            |           |      |        |
| OS       | Dendroaspis polylepis polylepis (Black mamba).                      |    |            |           |      |        |
| OC       | Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;   |    |            |           |      |        |
| OC       | Lepidosauria; Squamata; Scleroglossa; Serpentes; Colubroidea;       |    |            |           |      |        |
| OC       | Elapidae; Elapinae; Dendroaspis.                                    |    |            |           |      |        |
| OX       | NCBI_TaxID=8620;                                                    |    |            |           |      |        |
| RN       | [1]                                                                 |    |            |           |      |        |
| RP       | PROTEIN SEQUENCE OF 1-80.                                           |    |            |           |      |        |
| RC       | TISSUE=Venom;                                                       |    |            |           |      |        |
| RX       | MEDLINE=81115818; PubMed=7461607;                                   |    |            |           |      |        |
| RA       | Joubert F.J., Strydom D.J.;                                         |    |            |           |      |        |
| RT       | "Snake venom. The amino acid sequence of protein A from Dendroaspis |    |            |           |      |        |
| RT       | polylepis polylepis (black mamba) venom.;"                          |    |            |           |      |        |
| RL       | Hoppe-Seyler's Z. Physiol. Chem 361:1787-1794(1980) .               |    |            |           |      |        |

RP PROTEIN SEQUENCE, AND CHARACTERIZATION.  
 RC TISSUE=Venom;  
 RX MEDLINE=20036442; PubMed=10567694; DOI=10.1016/S0014-5793(99)01459-3;  
 RA Schweitz H., Pascaud P., Diochot S., Moirier D., Lazdunski M.;  
 RT "WT1, a black mamba toxin with a new and highly potent activity on  
 RT intestinal contraction.";   
 RT FEBS Lett. 461:183-188(1998).  
 RN [3]  
 RP STRUCTURE BY NMR OF 1-81, AND DISULFIDE BONDS.  
 RC TISSUE=Venom;  
 RX MEDLINE=98437381; PubMed=9761684; DOI=10.1006/jmbi.1998.2057;  
 RA Boisbouvier J., Albrand J.-P., Blackledge M., Jaquinod M.,  
 RA Schweitz H., Lazdunski M., Marion D.;  
 RT "A structural homologue of colipase in black mamba venom revealed by  
 RT NMR floating disulphide bridge analysis.";   
 RT J. Mol. Biol. 283:205-219(1998).  
 RC I- FUNCTION: Potently contracts gastrointestinal (GI) smooth muscle.  
 CC May act on potassium channels, but not on Kv1.1, Kv1.2, Kv1.3,  
 CC Kv1.4, Kv1.5, Kv2.1, Kv3.4, Kv4.2, TREK-1, HERG, KCNQ1, KCNQ2,  
 CC KCNQ3, IRK1, IRK2, ROMK1, GIRK1,2 and GIRK4.4.  
 CC -I- SUBCELLULAR LOCATION: Secreted protein.  
 CC -I- SIMILARITY: Belongs to the prokinectin family.

Copyrighted by the Uniprot Consortium, see <http://www.uniprot.org/terms>  
Distributed under the Creative Commons Attribution-NoDerivs License

PDB; lIIMT; NMR; @=1-80.  
DR DR InterPro; IPR009523; Prokineticin.  
DR DR Pfam; PF06607; Prokineticin; 1.  
KW 3f-structure; Direct protein sequencing; Toxin.  
CHAIN 1 81  
FT FT /FTid=PRO\_0000165469.

|          | 7  | 19 |
|----------|----|----|
| DISULFID | 7  | 19 |
| FT       |    |    |
| DISULFID | 13 | 31 |
| FT       |    |    |
| DISULFID | 18 | 59 |
| FT       |    |    |
| DISULFID | 41 | 67 |
| FT       |    |    |
| DISULFID | 61 | 77 |
| FT       |    |    |
| VARIANT  | 72 | 72 |
| FT       |    |    |
| CONFLICT | 18 | 18 |
| FT       |    |    |
| CONFLICT | 22 | 22 |
| FT       |    |    |

p -> Q (in protein A').  
C -> S (in Ref. 1).  
S -> C (in Ref. 1).

|    |          |                                         |    |                      |
|----|----------|-----------------------------------------|----|----------------------|
| FT | CONFLICT | 54                                      | 54 | R -> RK (in Ref. 1). |
| FT | STRAND   | 5                                       | 6  |                      |
| FT | STRAND   | 8                                       | 9  |                      |
| FT | HELIIX   | 10                                      | 12 |                      |
| FT | TURN     | 13                                      | 13 |                      |
| FT | TURN     | 15                                      | 16 |                      |
| FT | TURN     | 17                                      | 21 |                      |
| FT | STRAND   | 23                                      | 24 |                      |
| FT | TURN     | 26                                      | 27 |                      |
| FT | STRAND   | 29                                      | 33 |                      |
| FT | STRAND   | 35                                      | 35 |                      |
| FT | TURN     | 37                                      | 38 |                      |
| FT | STRAND   | 40                                      | 41 |                      |
| FT | TURN     | 43                                      | 44 |                      |
| FT | STRAND   | 48                                      | 49 |                      |
| FT | STRAND   | 52                                      | 52 |                      |
| FT | STRAND   | 57                                      | 58 |                      |
| FT | STRAND   | 62                                      | 62 |                      |
| FT | TURN     | 64                                      | 65 |                      |
| FT | STRAND   | 67                                      | 72 |                      |
| FT | TURN     | 73                                      | 74 |                      |
| FT | STRAND   | 75                                      | 79 |                      |
| SQ | SEQUENCE | 81 AA; 8604 MW; 5F6B703434338B03 CRC64; |    |                      |

  

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Query Match           | 63.3%; Score 315; DB 1; Length 81;                    |
| Best Local Similarity | 62.3%; Pred. No. 4.3e-27;                             |
| Matches               | 48; Conservative 14; Mismatches 15; Indels 0; Gaps 0; |

  

|    |    |                                                             |    |
|----|----|-------------------------------------------------------------|----|
| Qy | 1  | AVITGACERDVOCAGCTCCAISLWRLGRLMCTPLGREGSECHPGSHKVPFPRKRKHTCP | 60 |
| Db | 1  | AVITGACERDLQCGKGTCCAVSLWIKSVRCPTVGTSGEDCHPASHKIPFGQRMHTCP   | 60 |
| Qy | 61 | CLPNLLCSRPDGRYRC                                            | 77 |
| Db | 61 | CAPNLACVQTSPPKFKC                                           | 77 |

  

|              |                                                                     |
|--------------|---------------------------------------------------------------------|
| RESULT 10    |                                                                     |
| QARVU3_TETNG |                                                                     |
| ID           | QARVU3_TETNG PRELIMINARY; PRT; 106 AA.                              |
| AC           | QARVU3; 2005, integrated into UniProtKB/TrEMBL.                     |
| DT           | 19-JUL-2005, sequence version 1.                                    |
| DT           | 19-JUL-2006, entry version 4.                                       |
| DT           | 07-FEB-2006, entry version 4.                                       |
| DE           | Chromosome 9 SCAF14991, whole genome shotgun sequence. (Fragment).  |
| GN           | ORFNames=GSTENG0028169001;                                          |
| OS           | Tetraodon nigroviridis (green puffer).                              |
| OC           | Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;   |
| OC           | Acanthopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei; |
| OC           | Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;     |
| OC           | Tetraodontoidea; Tetraodontidae; Tetraodon.                         |
| OX           | NCBI_TaxID=99883;                                                   |
| RN           | [1]                                                                 |

  

|                                           |                                                                        |
|-------------------------------------------|------------------------------------------------------------------------|
| NUCLEOTIDE SEQUENCE.                      |                                                                        |
| PubMed=15496914; DOI=10.1038/nature03025; |                                                                        |
| RA                                        | Jallion O., Aury J.-M., Brunet F., Petit J.-L., Stange-Thomann N.,     |
| RA                                        | Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,        |
| RA                                        | Nicaud S., Jaffe D., Fisher S., Lufalla G., Dossat C., Segurens B.,    |
| RA                                        | Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,          |
| RA                                        | Anthouard V., Jubin C., Castellani V., Katinka M., Vacherie B.,        |
| RA                                        | Biemont C., Skalli Z., Cattolico L., Poullain J., De Bernardinis V.,   |
| RA                                        | Cruaud C., Duprat S., Brottier P., Coutanceau J.-P., Gouzy J.,         |
| RA                                        | Barra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,  |
| RA                                        | Kellis M., Wolff J.-N., Guigo R., Zody M.C., Mesirov J.,               |
| RA                                        | Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,  |
| RA                                        | Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,          |
| RA                                        | Wincker P., Lander E.S., Weissenbach J., Roest Crolius H.;             |
| RT                                        | "genome duplication in the teleost fish Tetraodon nigroviridis reveals |
| RL                                        | the early vertebrate proto-karyotype."                                 |
| RL                                        | Nature 431:946-957(2004).                                              |
| RN                                        | [2]                                                                    |

  

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| GENOSCOPE SEQUENCE. |                                                            |
| RP                  | GENOSCOPE; Whitehead Institute Centre for Genome Research; |
| RG                  |                                                            |







Search completed: November 29, 2007, 17:25:54  
Job time : 192.445 secs

GenCore version 6.2.1  
 Copyright (c) 1993 - 2007 Bioceleration Ltd.  
 OM protein - protein search, using sw model  
 Run on: November 29, 2007, 17:21:19 ; Search time 69 Seconds  
 (without alignments)  
 1014.355 Million cell updates/sec

Title: US-10-692-299-2\_COPY\_20\_105  
 Perfect score: 498  
 Sequence: 1 AVITGACRDVQAGTCCA.....CSRFPDGRYRCMDLKNINF 86

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 3552611 seqs, 817857308 residues

Total number of hits satisfying chosen parameters: 3552611

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database : Published Applications AA Main:

- 1: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*
- 2: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*
- 3: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*
- 4: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*
- 5: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*
- 6: /EMC\_Celerra\_SIDS2/ptodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description        |
|------------|-------|-------------|--------|----|--------------------|
| 1          | 498   | 100.0       | 86     | 4  | US-10-016-481-3    |
| 2          | 498   | 100.0       | 86     | 4  | US-10-323-157-3    |
| 3          | 498   | 100.0       | 86     | 4  | US-10-417-426-9    |
| 4          | 498   | 100.0       | 86     | 4  | US-10-333-192-21   |
| 5          | 498   | 100.0       | 86     | 5  | US-10-680-554-5    |
| 6          | 498   | 100.0       | 86     | 5  | US-10-713-567-3    |
| 7          | 498   | 100.0       | 86     | 5  | US-10-811-328-3    |
| 8          | 498   | 100.0       | 86     | 5  | US-10-912-907-3    |
| 9          | 498   | 100.0       | 86     | 5  | US-10-415-724-3    |
| 10         | 498   | 100.0       | 86     | 5  | US-10-871-152-22   |
| 11         | 498   | 100.0       | 86     | 5  | US-10-503-554A-82  |
| 12         | 498   | 100.0       | 86     | 5  | US-10-343-095A-117 |
| 13         | 498   | 100.0       | 86     | 5  | US-10-415-724-3    |
| 14         | 498   | 100.0       | 86     | 5  | US-10-542-664-1    |
| 15         | 498   | 100.0       | 86     | 5  | US-10-576-066-2    |
| 16         | 498   | 100.0       | 86     | 6  | US-11-073-420-11   |
| 17         | 498   | 100.0       | 86     | 6  | US-11-304-129-21   |
| 18         | 498   | 100.0       | 86     | 6  | US-11-048-649-9    |
| 19         | 498   | 100.0       | 86     | 6  | US-11-384-222-7    |
| 20         | 498   | 100.0       | 86     | 6  | US-11-529-695-3    |
| 21         | 498   | 100.0       | 87     | 4  | US-10-016-481-18   |
| 22         | 498   | 100.0       | 87     | 4  | US-10-323-157-18   |
| 23         | 498   | 100.0       | 87     | 5  | US-10-713-567-18   |
| 24         | 498   | 100.0       | 87     | 5  | US-10-811-328-18   |
| 25         | 498   | 100.0       | 87     | 5  | US-10-912-907-18   |
| 26         | 498   | 100.0       | 87     | 5  | US-10-415-724-18   |
| 27         | 498   | 100.0       | 87     | 5  | US-10-415-724-18   |

|     |     |       |     |   |                       |                       |
|-----|-----|-------|-----|---|-----------------------|-----------------------|
| 28  | 498 | 100.0 | 87  | 6 | US-11-529-695-18      | Sequence 18, Appl     |
| 29  | 498 | 100.0 | 89  | 4 | US-10-016-481-15      | Sequence 15, Appl     |
| 30  | 498 | 100.0 | 89  | 4 | US-10-323-157-15      | Sequence 15, Appl     |
| 31  | 498 | 100.0 | 89  | 5 | US-10-713-567-15      | Sequence 15, Appl     |
| 32  | 498 | 100.0 | 89  | 5 | US-10-811-328-15      | Sequence 15, Appl     |
| 33  | 498 | 100.0 | 89  | 5 | US-10-912-907-15      | Sequence 15, Appl     |
| 34  | 498 | 100.0 | 89  | 5 | US-10-415-724-15      | Sequence 15, Appl     |
| 35  | 498 | 100.0 | 89  | 5 | US-10-415-724-15      | Sequence 15, Appl     |
| 36  | 498 | 100.0 | 89  | 6 | US-11-529-695-15      | Sequence 15, Appl     |
| 50  | 498 | 100.0 | 105 | 3 | US-09-886-242A-2      | Sequence 2, Appl      |
| 52  | 498 | 100.0 | 105 | 3 | US-09-965-528-11      | Sequence 11, Appl     |
| 65  | 498 | 100.0 | 105 | 3 | US-09-997-428-371     | Sequence 371, Appl    |
| 69  | 498 | 100.0 | 105 | 3 | US-09-796-753-64      | Sequence 64, Appl     |
| 111 | 498 | 100.0 | 105 | 3 | US-09-969-984-11      | Sequence 11, Appl     |
| 112 | 498 | 100.0 | 105 | 4 | US-10-016-481-2       | Sequence 2, Appl      |
| 113 | 498 | 100.0 | 105 | 4 | US-10-027-603-2       | Sequence 2, Appl      |
| 135 | 498 | 100.0 | 105 | 4 | US-10-132-813-16      | Sequence 16, Appl     |
| 294 | 498 | 100.0 | 105 | 4 | US-10-223-085-172     | Sequence 172, Appl    |
| 300 | 498 | 100.0 | 105 | 4 | US-10-219-065-166     | Sequence 166, Appl    |
| 328 | 498 | 100.0 | 105 | 4 | US-10-223-084-172     | Sequence 172, Appl    |
| 329 | 498 | 100.0 | 105 | 4 | US-10-223-088-172     | Sequence 172, Appl    |
| 330 | 498 | 100.0 | 105 | 4 | US-10-223-090-172     | Sequence 172, Appl    |
| 335 | 498 | 100.0 | 105 | 4 | US-10-212-355-5       | Sequence 5, Appl      |
| 336 | 498 | 100.0 | 105 | 4 | US-10-223-087-172     | Sequence 172, Appl    |
| 337 | 498 | 100.0 | 105 | 4 | US-10-323-157-2       | Sequence 2, Appl      |
| 339 | 498 | 100.0 | 105 | 4 | US-10-223-083-172     | Sequence 172, Appl    |
| 342 | 498 | 100.0 | 105 | 4 | US-10-223-089-172     | Sequence 172, Appl    |
| 391 | 498 | 100.0 | 105 | 4 | US-10-212-201-5       | Sequence 5, Appl      |
| 502 | 498 | 100.0 | 105 | 4 | US-10-223-081-172     | Sequence 172, Appl    |
| 536 | 498 | 100.0 | 105 | 4 | US-10-223-082-172     | Sequence 172, Appl    |
| 647 | 498 | 100.0 | 105 | 4 | US-10-305-654-172     | Sequence 172, Appl    |
| 658 | 498 | 100.0 | 105 | 4 | US-10-081-056-172     | Sequence 172, Appl    |
| 664 | 498 | 100.0 | 105 | 4 | US-10-333-192-23      | Sequence 23, Appl     |
| 667 | 498 | 100.0 | 105 | 4 | US-10-680-755A-5      | Sequence 5, Appl      |
| 668 | 498 | 100.0 | 105 | 4 | US-10-680-800A-5      | Sequence 5, Appl      |
| 676 | 498 | 100.0 | 105 | 5 | US-10-713-567-2       | Sequence 2, Appl      |
| 680 | 498 | 100.0 | 105 | 5 | US-10-931-886-470     | Sequence 470, Appl    |
| 681 | 498 | 100.0 | 105 | 5 | US-10-811-328-2       | Sequence 2, Appl      |
| 682 | 498 | 100.0 | 105 | 5 | US-10-912-907-2       | Sequence 2, Appl      |
| 683 | 498 | 100.0 | 105 | 5 | US-10-692-299-2       | Sequence 2, Appl      |
| 684 | 498 | 100.0 | 105 | 5 | US-10-415-724-2       | Sequence 2, Appl      |
| 686 | 498 | 100.0 | 105 | 5 | US-10-977-113-31      | Sequence 31, Appl     |
| 687 | 498 | 100.0 | 105 | 5 | US-10-990-246-5       | Sequence 5, Appl      |
| 688 | 498 | 100.0 | 105 | 5 | US-10-955-952-470     | Sequence 470, Appl    |
| 689 | 498 | 100.0 | 105 | 5 | US-10-503-554A-84     | Sequence 84, Appl     |
| 690 | 498 | 100.0 | 105 | 5 | US-10-950-374-371     | Sequence 371, Appl    |
| 691 | 498 | 100.0 | 105 | 5 | US-10-982-168-5       | Sequence 5, Appl      |
| 693 | 498 | 100.0 | 105 | 5 | US-10-973-115B-470    | Sequence 470, Appl    |
| 699 | 498 | 100.0 | 105 | 5 | US-10-504-588-4       | Sequence 4, Appl      |
| 702 | 498 | 100.0 | 105 | 5 | US-10-415-724-2       | Sequence 2, Appl      |
| 703 | 498 | 100.0 | 105 | 5 | US-10-549-241-8       | Sequence 8, Appl      |
| 705 | 498 | 100.0 | 105 | 5 | US-10-964-241-470     | Sequence 470, Appl    |
| 706 | 498 | 100.0 | 105 | 6 | US-11-052-721-2       | Sequence 2, Appl      |
| 708 | 498 | 100.0 | 105 | 6 | US-11-290-153-470     | Sequence 470, Appl    |
| 709 | 498 | 100.0 | 105 | 6 | US-11-304-129-23      | Sequence 23, Appl     |
| 710 | 498 | 100.0 | 105 | 6 | US-11-265-762-64      | Sequence 64, Appl     |
| 711 | 498 | 100.0 | 105 | 6 | US-11-549-232-5       | Sequence 5, Appl      |
| 712 | 498 | 100.0 | 105 | 6 | US-11-549-227-5       | Sequence 5, Appl      |
| 713 | 498 | 100.0 | 105 | 6 | US-11-548-814-5       | Sequence 5, Appl      |
| 714 | 498 | 100.0 | 105 | 6 | US-11-550-982-5       | Sequence 5, Appl      |
| 715 | 498 | 100.0 | 105 | 6 | US-11-549-237-5       | Sequence 5, Appl      |
| 716 | 498 | 100.0 | 105 | 6 | US-11-548-805-5       | Sequence 5, Appl      |
| 717 | 498 | 100.0 | 105 | 6 | US-11-550-993-5       | Sequence 5, Appl      |
| 718 | 498 | 100.0 | 105 | 6 | US-11-551-002-5       | Sequence 5, Appl      |
| 719 | 498 | 100.0 | 105 | 6 | US-11-548-810-5       | Sequence 5, Appl      |
| 720 | 498 | 100.0 | 105 | 6 | US-11-548-819-5       | Sequence 5, Appl      |
| 721 | 498 | 100.0 | 105 | 6 | US-11-548-824-5       | Sequence 5, Appl      |
| 722 | 498 | 100.0 | 105 | 6 | US-11-529-695-2       | Sequence 2, Appl      |
| 723 | 498 | 100.0 | 105 | 6 | US-11-548-830-5       | Sequence 5, Appl      |
| 724 | 498 | 100.0 | 105 | 6 | US-11-443-428A-862623 | Sequence 862623, Appl |
| 725 | 498 | 100.0 | 105 | 6 | US-11-443-428A-862624 | Sequence 862624, Appl |
| 726 | 498 | 100.0 | 105 | 6 | US-11-443-428A-862625 | Sequence 862625, Appl |

|     |     |       |     |   |                       |                   |     |       |      |     |   |                    |                   |
|-----|-----|-------|-----|---|-----------------------|-------------------|-----|-------|------|-----|---|--------------------|-------------------|
| 727 | 498 | 100.0 | 105 | 6 | US-11-443-428A-862626 | Sequence 862626,  | 800 | 455   | 91.4 | 86  | 5 | US-10-871-152-23   | Sequence 23, Appl |
| 728 | 498 | 100.0 | 105 | 6 | US-11-548-826-5       | Sequence 5, Appli | 801 | 455   | 91.4 | 86  | 5 | US-10-503-554A-109 | Sequence 109, App |
| 729 | 498 | 100.0 | 105 | 6 | US-11-551-008-5       | Sequence 5, Appli | 802 | 455   | 91.4 | 86  | 5 | US-11-073-420-12   | Sequence 12, Appl |
| 730 | 498 | 100.0 | 105 | 6 | US-11-537-382-2       | Sequence 2, Appli | 803 | 455   | 91.4 | 86  | 6 | US-11-048-649-10   | Sequence 10, Appl |
| 731 | 498 | 100.0 | 105 | 6 | US-11-549-241-5       | Sequence 5, Appli | 804 | 455   | 91.4 | 86  | 6 | US-11-529-695-28   | Sequence 28, Appl |
| 732 | 497 | 99.8  | 86  | 4 | US-10-333-192-20      | Sequence 20, Appl | 805 | 455   | 91.4 | 105 | 4 | US-10-470-551-6    | Sequence 6, Appli |
| 733 | 497 | 99.8  | 86  | 5 | US-10-503-554A-81     | Sequence 81, Appl | 806 | 455   | 91.4 | 105 | 5 | US-10-503-554A-107 | Sequence 107, App |
| 734 | 497 | 99.8  | 86  | 5 | US-10-542-664-2       | Sequence 2, Appli | 807 | 455   | 91.4 | 105 | 5 | US-10-549-241-10   | Sequence 10, Appl |
| 735 | 497 | 99.8  | 86  | 5 | US-10-576-066-3       | Sequence 3, Appli | 808 | 413   | 82.9 | 86  | 4 | US-10-016-481-14   | Sequence 14, Appl |
| 736 | 497 | 99.8  | 86  | 5 | US-11-304-129-20      | Sequence 20, Appl | 809 | 413   | 82.9 | 86  | 4 | US-10-323-157-14   | Sequence 14, Appl |
| 737 | 497 | 99.8  | 105 | 4 | US-10-132-812-18      | Sequence 18, Appl | 810 | 413   | 82.9 | 86  | 4 | US-10-417-426-21   | Sequence 21, Appl |
| 738 | 497 | 99.8  | 105 | 4 | US-10-333-192-22      | Sequence 22, Appl | 811 | 413   | 82.9 | 86  | 5 | US-10-680-554-16   | Sequence 16, Appl |
| 739 | 497 | 99.8  | 105 | 5 | US-10-467-554-3       | Sequence 3, Appli | 812 | 413   | 82.9 | 86  | 5 | US-10-713-567-14   | Sequence 14, Appl |
| 740 | 497 | 99.8  | 105 | 5 | US-10-503-554A-83     | Sequence 83, Appl | 813 | 413   | 82.9 | 86  | 5 | US-10-811-328-14   | Sequence 14, Appl |
| 741 | 497 | 99.8  | 105 | 5 | US-10-475-075-194     | Sequence 194, App | 814 | 413   | 82.9 | 86  | 5 | US-10-912-907-14   | Sequence 14, Appl |
| 742 | 497 | 99.8  | 105 | 6 | US-11-304-129-22      | Sequence 22, Appl | 815 | 413   | 82.9 | 86  | 5 | US-10-415-724-14   | Sequence 14, Appl |
| 743 | 497 | 99.8  | 105 | 6 | US-11-371-354-56695   | Sequence 56695, A | 816 | 413   | 82.9 | 86  | 5 | US-10-977-113-17   | Sequence 17, Appl |
| 744 | 497 | 99.8  | 105 | 6 | US-11-371-354-76648   | Sequence 76648, A | 817 | 413   | 82.9 | 86  | 5 | US-10-871-152-28   | Sequence 28, Appl |
| 745 | 497 | 99.8  | 105 | 6 | US-11-218-141-1728    | Sequence 1728, Ap | 818 | 413   | 82.9 | 86  | 5 | US-10-415-724-14   | Sequence 14, Appl |
| 746 | 494 | 99.2  | 85  | 4 | US-10-016-481-16      | Sequence 16, Appl | 819 | 413   | 82.9 | 86  | 6 | US-11-073-420-17   | Sequence 17, Appl |
| 747 | 494 | 99.2  | 85  | 4 | US-10-323-157-16      | Sequence 16, Appl | 820 | 413   | 82.9 | 86  | 6 | US-11-048-649-21   | Sequence 21, Appl |
| 748 | 494 | 99.2  | 85  | 5 | US-10-713-567-16      | Sequence 16, Appl | 821 | 413   | 82.9 | 86  | 6 | US-11-529-695-14   | Sequence 14, Appl |
| 749 | 494 | 99.2  | 85  | 5 | US-10-811-328-16      | Sequence 16, Appl | 822 | 376   | 75.5 | 81  | 4 | US-10-016-481-13   | Sequence 13, Appl |
| 750 | 494 | 99.2  | 85  | 5 | US-10-912-907-16      | Sequence 16, Appl | 823 | 376   | 75.5 | 81  | 4 | US-10-323-157-13   | Sequence 13, Appl |
| 751 | 494 | 99.2  | 85  | 5 | US-10-415-724-16      | Sequence 16, Appl | 824 | 376   | 75.5 | 81  | 4 | US-10-417-426-20   | Sequence 20, Appl |
| 752 | 494 | 99.2  | 85  | 5 | US-10-415-724-16      | Sequence 16, Appl | 825 | 376   | 75.5 | 81  | 5 | US-10-680-554-15   | Sequence 15, Appl |
| 753 | 494 | 99.2  | 85  | 6 | US-11-529-695-16      | Sequence 16, Appl | 826 | 376   | 75.5 | 81  | 5 | US-10-713-567-13   | Sequence 13, Appl |
| 754 | 494 | 99.2  | 86  | 5 | US-10-713-567-20      | Sequence 20, Appl | 827 | 376   | 75.5 | 81  | 5 | US-10-811-328-13   | Sequence 13, Appl |
| 755 | 494 | 99.2  | 86  | 5 | US-10-811-328-20      | Sequence 20, Appl | 828 | 376   | 75.5 | 81  | 5 | US-10-912-907-13   | Sequence 13, Appl |
| 756 | 494 | 99.2  | 86  | 6 | US-11-529-695-20      | Sequence 20, Appl | 829 | 376   | 75.5 | 81  | 5 | US-10-415-724-13   | Sequence 13, Appl |
| 757 | 492 | 98.8  | 105 | 6 | US-10-977-113-30      | Sequence 30, Appl | 830 | 376   | 75.5 | 81  | 5 | US-10-977-113-16   | Sequence 16, Appl |
| 758 | 492 | 98.8  | 105 | 6 | US-11-073-420-28      | Sequence 28, Appl | 831 | 376   | 75.5 | 81  | 5 | US-10-871-152-27   | Sequence 27, Appl |
| 759 | 491 | 98.6  | 105 | 5 | US-10-475-075-193     | Sequence 193, App | 832 | 376   | 75.5 | 81  | 6 | US-10-415-724-13   | Sequence 13, Appl |
| 760 | 491 | 98.6  | 105 | 5 | US-10-475-075-477     | Sequence 477, App | 833 | 376   | 75.5 | 81  | 6 | US-11-048-649-20   | Sequence 20, Appl |
| 761 | 491 | 98.6  | 105 | 6 | US-11-073-420-31      | Sequence 31, Appl | 834 | 376   | 75.5 | 81  | 6 | US-11-529-695-13   | Sequence 13, Appl |
| 762 | 486 | 97.6  | 105 | 5 | US-10-664-025-5350    | Sequence 5350, Ap | 835 | 376   | 75.5 | 81  | 6 | US-11-529-695-13   | Sequence 13, Ap   |
| 763 | 478 | 96.0  | 86  | 4 | US-10-016-481-17      | Sequence 17, Appl | 836 | 361   | 72.5 | 80  | 4 | US-10-631-441-2421 | Sequence 2421, Ap |
| 764 | 478 | 96.0  | 86  | 4 | US-10-323-157-17      | Sequence 17, Appl | 837 | 315   | 63.3 | 80  | 4 | US-10-467-426-13   | Sequence 13, Appl |
| 765 | 478 | 96.0  | 86  | 5 | US-10-713-567-17      | Sequence 17, Appl | 838 | 315   | 63.3 | 80  | 4 | US-10-467-019-21   | Sequence 21, Appl |
| 766 | 478 | 96.0  | 86  | 5 | US-10-811-328-17      | Sequence 17, Appl | 839 | 315   | 63.3 | 80  | 4 | US-10-470-951-54   | Sequence 54, Appl |
| 767 | 478 | 96.0  | 86  | 5 | US-10-912-907-17      | Sequence 17, Appl | 840 | 315   | 63.3 | 80  | 4 | US-10-333-192-34   | Sequence 34, Appl |
| 768 | 478 | 96.0  | 86  | 5 | US-10-415-724-17      | Sequence 17, Appl | 841 | 315   | 63.3 | 80  | 5 | US-10-977-113-15   | Sequence 15, Appl |
| 769 | 478 | 96.0  | 86  | 6 | US-10-415-724-17      | Sequence 17, Appl | 842 | 315   | 63.3 | 80  | 5 | US-10-871-152-26   | Sequence 26, Appl |
| 770 | 478 | 96.0  | 86  | 6 | US-11-529-695-17      | Sequence 17, Appl | 843 | 315   | 63.3 | 80  | 5 | US-10-503-554A-21  | Sequence 21, Appl |
| 771 | 476 | 95.6  | 82  | 5 | US-10-977-113-11      | Sequence 11, Appl | 844 | 315   | 63.3 | 80  | 6 | US-11-073-420-15   | Sequence 15, Appl |
| 772 | 473 | 95.0  | 86  | 4 | US-10-470-951-37      | Sequence 37, Appl | 845 | 315   | 63.3 | 80  | 6 | US-11-048-649-13   | Sequence 13, Appl |
| 773 | 473 | 95.0  | 86  | 4 | US-10-362-504-49      | Sequence 49, Appl | 846 | 315   | 63.3 | 80  | 6 | US-11-048-649-13   | Sequence 13, Appl |
| 774 | 473 | 95.0  | 86  | 5 | US-10-680-554-10      | Sequence 10, Appl | 847 | 311.5 | 62.6 | 79  | 3 | US-09-886-242A-5   | Sequence 5, Appli |
| 775 | 473 | 95.0  | 86  | 5 | US-10-713-567-30      | Sequence 30, Appl | 848 | 311.5 | 62.6 | 79  | 4 | US-10-027-603-5    | Sequence 5, Appli |
| 776 | 473 | 95.0  | 86  | 5 | US-10-811-328-30      | Sequence 30, Appl | 849 | 311.5 | 62.6 | 79  | 5 | US-10-692-299-5    | Sequence 5, Appli |
| 777 | 473 | 95.0  | 86  | 5 | US-10-503-554A-138    | Sequence 138, App | 850 | 311.5 | 62.6 | 79  | 5 | US-11-537-382-5    | Sequence 5, Appli |
| 778 | 473 | 95.0  | 86  | 6 | US-11-529-695-30      | Sequence 30, Appl | 851 | 310.5 | 62.3 | 81  | 4 | US-10-016-481-12   | Sequence 12, Appl |
| 779 | 473 | 95.0  | 105 | 4 | US-10-470-951-31      | Sequence 31, Appl | 852 | 310.5 | 62.3 | 81  | 4 | US-10-132-812-19   | Sequence 19, Appl |
| 780 | 473 | 95.0  | 105 | 4 | US-10-362-504-43      | Sequence 43, Appl | 853 | 310.5 | 62.3 | 81  | 4 | US-10-323-157-12   | Sequence 12, Appl |
| 781 | 473 | 95.0  | 105 | 5 | US-10-503-554A-132    | Sequence 132, App | 854 | 310.5 | 62.3 | 81  | 5 | US-10-680-554-12   | Sequence 12, Appl |
| 782 | 469 | 94.2  | 86  | 4 | US-10-470-951-41      | Sequence 41, Appl | 855 | 310.5 | 62.3 | 81  | 5 | US-10-713-567-12   | Sequence 12, Appl |
| 783 | 469 | 94.2  | 86  | 4 | US-10-362-504-53      | Sequence 53, Appl | 856 | 310.5 | 62.3 | 81  | 5 | US-10-811-328-12   | Sequence 12, Appl |
| 784 | 469 | 94.2  | 86  | 5 | US-10-503-554A-142    | Sequence 142, App | 857 | 310.5 | 62.3 | 81  | 5 | US-10-912-907-12   | Sequence 12, Appl |
| 785 | 469 | 94.2  | 105 | 4 | US-10-470-951-35      | Sequence 35, Appl | 858 | 310.5 | 62.3 | 81  | 5 | US-10-415-724-12   | Sequence 12, Appl |
| 786 | 469 | 94.2  | 105 | 4 | US-10-362-504-47      | Sequence 47, Appl | 859 | 310.5 | 62.3 | 81  | 5 | US-10-415-724-12   | Sequence 12, Appl |
| 787 | 469 | 94.2  | 105 | 5 | US-10-503-554A-136    | Sequence 136, App | 860 | 310.5 | 62.3 | 81  | 6 | US-11-529-695-12   | Sequence 12, Appl |
| 788 | 467 | 93.8  | 86  | 4 | US-10-470-951-39      | Sequence 39, Appl | 861 | 291   | 58.4 | 80  | 4 | US-10-467-019-22   | Sequence 22, Appl |
| 789 | 467 | 93.8  | 86  | 4 | US-10-362-504-51      | Sequence 51, Appl | 862 | 291   | 58.4 | 80  | 5 | US-10-503-554A-22  | Sequence 22, Appl |
| 790 | 467 | 93.8  | 86  | 5 | US-10-503-554A-140    | Sequence 140, App | 863 | 291   | 58.4 | 81  | 4 | US-10-016-481-6    | Sequence 6, Appli |
| 791 | 467 | 93.8  | 105 | 4 | US-10-470-951-33      | Sequence 33, Appl | 864 | 291   | 58.4 | 81  | 4 | US-10-323-157-6    | Sequence 6, Appli |
| 792 | 467 | 93.8  | 105 | 5 | US-10-362-504-45      | Sequence 45, Appl | 865 | 291   | 58.4 | 81  | 4 | US-10-417-426-5    | Sequence 5, Appli |
| 793 | 467 | 93.8  | 105 | 5 | US-10-503-554A-134    | Sequence 134, App | 866 | 291   | 58.4 | 81  | 4 | US-10-680-554-7    | Sequence 7, Appli |
| 794 | 455 | 91.4  | 86  | 4 | US-10-417-426-10      | Sequence 10, Appl | 867 | 291   | 58.4 | 81  | 5 | US-10-713-567-6    | Sequence 6, Appli |
| 795 | 455 | 91.4  | 86  | 4 | US-10-470-951-8       | Sequence 8, Appli | 868 | 291   | 58.4 | 81  | 5 | US-10-811-328-6    | Sequence 6, Appli |
| 796 | 455 | 91.4  | 86  | 5 | US-10-680-554-8       | Sequence 8, Appli | 869 | 291   | 58.4 | 81  | 5 | US-10-912-907-6    | Sequence 6, Appli |
| 797 | 455 | 91.4  | 86  | 5 | US-10-713-567-28      | Sequence 28, Appl | 870 | 291   | 58.4 | 81  | 5 | US-10-811-328-6    | Sequence 6, Appli |
| 798 | 455 | 91.4  | 86  | 5 | US-10-811-328-28      | Sequence 28, Appl | 871 | 291   | 58.4 | 81  | 5 | US-10-415-724-6    | Sequence 6, Appli |
| 799 | 455 | 91.4  | 86  | 5 | US-10-977-113-12      | Sequence 12, Appl | 872 | 291   | 58.4 | 81  | 5 | US-10-977-113-9    | Sequence 9, Appli |

|     |     |      |     |   |                       |                   |      |       |      |     |   |                       |                   |
|-----|-----|------|-----|---|-----------------------|-------------------|------|-------|------|-----|---|-----------------------|-------------------|
| 873 | 291 | 58.4 | 81  | 5 | US-10-871-152-18      | Sequence 18, Appl | 946  | 286   | 57.4 | 81  | 5 | US-10-871-152-20      | Sequence 20, Appl |
| 874 | 291 | 58.4 | 81  | 5 | US-10-503-554A-19     | Sequence 19, Appl | 947  | 286   | 57.4 | 81  | 5 | US-10-503-554A-39     | Sequence 39, Appl |
| 875 | 291 | 58.4 | 81  | 5 | US-10-415-724-6       | Sequence 6, Appl  | 948  | 286   | 57.4 | 81  | 5 | US-11-048-649-7       | Sequence 7, Appl  |
| 876 | 291 | 58.4 | 81  | 5 | US-10-542-664-3       | Sequence 3, Appl  | 949  | 286   | 57.4 | 81  | 6 | US-11-529-695-29      | Sequence 29, Appl |
| 877 | 291 | 58.4 | 81  | 5 | US-10-576-066-1       | Sequence 1, Appl  | 950  | 286   | 57.4 | 81  | 6 | US-11-529-695-31      | Sequence 31, Appl |
| 878 | 291 | 58.4 | 81  | 6 | US-11-073-420-9       | Sequence 9, Appl  | 951  | 286   | 57.4 | 107 | 4 | US-10-132-812-10      | Sequence 10, Appl |
| 879 | 291 | 58.4 | 81  | 6 | US-11-048-649-5       | Sequence 5, Appl  | 952  | 286   | 57.4 | 107 | 4 | US-10-231-411-6       | Sequence 6, Appl  |
| 880 | 291 | 58.4 | 81  | 6 | US-11-529-695-6       | Sequence 6, Appl  | 953  | 286   | 57.4 | 107 | 4 | US-10-467-019-37      | Sequence 37, Appl |
| 881 | 291 | 58.4 | 100 | 3 | US-09-886-242A-4      | Sequence 4, Appl  | 954  | 286   | 57.4 | 107 | 4 | US-10-467-019-55      | Sequence 55, Appl |
| 882 | 291 | 58.4 | 100 | 4 | US-10-027-603-4       | Sequence 4, Appl  | 955  | 286   | 57.4 | 107 | 4 | US-10-362-504-69      | Sequence 69, Appl |
| 883 | 291 | 58.4 | 100 | 5 | US-10-692-299-4       | Sequence 4, Appl  | 956  | 286   | 57.4 | 107 | 5 | US-10-503-554A-37     | Sequence 37, Appl |
| 884 | 291 | 58.4 | 100 | 6 | US-11-537-382-4       | Sequence 4, Appl  | 957  | 286   | 57.4 | 107 | 5 | US-10-503-554A-55     | Sequence 55, Appl |
| 885 | 291 | 58.4 | 108 | 4 | US-10-016-481-5       | Sequence 5, Appl  | 958  | 286   | 57.4 | 107 | 5 | US-10-549-241-6       | Sequence 6, Appl  |
| 886 | 291 | 58.4 | 108 | 4 | US-10-212-355-2       | Sequence 4, Appl  | 959  | 286   | 57.4 | 107 | 6 | US-11-384-222-6       | Sequence 6, Appl  |
| 887 | 291 | 58.4 | 108 | 4 | US-10-323-157-5       | Sequence 5, Appl  | 960  | 284   | 57.0 | 81  | 6 | US-11-073-420-37      | Sequence 37, Appl |
| 888 | 291 | 58.4 | 108 | 4 | US-10-323-157-5       | Sequence 5, Appl  | 961  | 284   | 57.0 | 108 | 5 | US-10-713-567-34      | Sequence 34, Appl |
| 889 | 291 | 58.4 | 108 | 4 | US-10-212-201-2       | Sequence 2, Appl  | 962  | 284   | 57.0 | 108 | 5 | US-10-977-113-6       | Sequence 6, Appl  |
| 890 | 291 | 58.4 | 108 | 4 | US-10-467-019-17      | Sequence 17, Appl | 963  | 284   | 57.0 | 108 | 6 | US-11-073-420-6       | Sequence 6, Appl  |
| 891 | 291 | 58.4 | 108 | 4 | US-10-680-755A-2      | Sequence 2, Appl  | 964  | 278.5 | 55.9 | 77  | 5 | US-10-680-554-14      | Sequence 14, Appl |
| 892 | 291 | 58.4 | 108 | 4 | US-10-680-800A-2      | Sequence 2, Appl  | 965  | 278.5 | 55.9 | 77  | 5 | US-10-713-567-32      | Sequence 32, Appl |
| 893 | 291 | 58.4 | 108 | 5 | US-10-713-567-5       | Sequence 5, Appl  | 966  | 278.5 | 55.9 | 77  | 5 | US-10-811-328-32      | Sequence 32, Appl |
| 894 | 291 | 58.4 | 108 | 5 | US-10-811-328-5       | Sequence 5, Appl  | 967  | 278.5 | 55.9 | 77  | 5 | US-11-529-695-32      | Sequence 32, Appl |
| 895 | 291 | 58.4 | 108 | 5 | US-10-912-907-5       | Sequence 5, Appl  | 968  | 270.5 | 54.3 | 102 | 5 | US-10-680-554-6       | Sequence 6, Appl  |
| 896 | 291 | 58.4 | 108 | 5 | US-10-415-724-5       | Sequence 5, Appl  | 969  | 270.5 | 54.3 | 129 | 4 | US-10-132-812-14      | Sequence 14, Appl |
| 897 | 291 | 58.4 | 108 | 5 | US-10-990-246-2       | Sequence 2, Appl  | 970  | 270.5 | 54.3 | 129 | 4 | US-10-231-411-2       | Sequence 2, Appl  |
| 898 | 291 | 58.4 | 108 | 5 | US-10-503-554A-17     | Sequence 17, Appl | 971  | 270.5 | 54.3 | 129 | 4 | US-10-680-755A-29     | Sequence 29, Appl |
| 899 | 291 | 58.4 | 108 | 5 | US-10-982-168-2       | Sequence 2, Appl  | 972  | 270.5 | 54.3 | 129 | 4 | US-10-680-800A-29     | Sequence 29, Appl |
| 900 | 291 | 58.4 | 108 | 5 | US-10-504-588-6       | Sequence 6, Appl  | 973  | 270.5 | 54.3 | 129 | 5 | US-10-549-241-2       | Sequence 2, Appl  |
| 901 | 291 | 58.4 | 108 | 5 | US-10-415-724-5       | Sequence 5, Appl  | 974  | 270.5 | 54.3 | 129 | 5 | US-11-384-222-2       | Sequence 2, Appl  |
| 902 | 291 | 58.4 | 108 | 5 | US-10-549-241-4       | Sequence 4, Appl  | 975  | 270.5 | 54.3 | 129 | 6 | US-11-548-814-29      | Sequence 29, Appl |
| 903 | 291 | 58.4 | 108 | 6 | US-11-384-222-4       | Sequence 4, Appl  | 976  | 270.5 | 54.3 | 129 | 6 | US-11-550-982-29      | Sequence 29, Appl |
| 904 | 291 | 58.4 | 108 | 6 | US-11-549-232-2       | Sequence 2, Appl  | 977  | 270.5 | 54.3 | 129 | 6 | US-11-548-805-29      | Sequence 29, Appl |
| 905 | 291 | 58.4 | 108 | 6 | US-11-549-227-2       | Sequence 2, Appl  | 978  | 270.5 | 54.3 | 129 | 6 | US-11-550-993-29      | Sequence 29, Appl |
| 906 | 291 | 58.4 | 108 | 6 | US-11-548-814-2       | Sequence 2, Appl  | 979  | 270.5 | 54.3 | 129 | 6 | US-11-551-002-29      | Sequence 29, Appl |
| 907 | 291 | 58.4 | 108 | 6 | US-11-550-982-2       | Sequence 2, Appl  | 980  | 270.5 | 54.3 | 129 | 6 | US-11-548-810-29      | Sequence 29, Appl |
| 908 | 291 | 58.4 | 108 | 6 | US-11-549-237-2       | Sequence 2, Appl  | 981  | 270.5 | 54.3 | 129 | 6 | US-11-548-819-29      | Sequence 29, Appl |
| 909 | 291 | 58.4 | 108 | 6 | US-11-549-222-2       | Sequence 2, Appl  | 982  | 270.5 | 54.3 | 129 | 6 | US-11-548-824-29      | Sequence 29, Appl |
| 910 | 291 | 58.4 | 108 | 6 | US-11-548-805-2       | Sequence 2, Appl  | 983  | 270.5 | 54.3 | 129 | 6 | US-11-548-830-29      | Sequence 29, Appl |
| 911 | 291 | 58.4 | 108 | 6 | US-11-550-993-2       | Sequence 2, Appl  | 984  | 270.5 | 54.3 | 129 | 6 | US-11-443-428A-790497 | Sequence 790497   |
| 912 | 291 | 58.4 | 108 | 6 | US-11-551-002-2       | Sequence 2, Appl  | 985  | 270.5 | 54.3 | 129 | 6 | US-11-548-826-29      | Sequence 29, Appl |
| 913 | 291 | 58.4 | 108 | 6 | US-11-548-810-2       | Sequence 2, Appl  | 986  | 270.5 | 54.3 | 129 | 6 | US-11-551-008-29      | Sequence 29, Appl |
| 914 | 291 | 58.4 | 108 | 6 | US-11-548-819-2       | Sequence 2, Appl  | 987  | 267.5 | 53.7 | 77  | 4 | US-10-417-426-11      | Sequence 11, Appl |
| 915 | 291 | 58.4 | 108 | 6 | US-11-548-824-2       | Sequence 2, Appl  | 988  | 267.5 | 53.7 | 77  | 5 | US-10-680-554-13      | Sequence 13, Appl |
| 916 | 291 | 58.4 | 108 | 6 | US-11-529-695-5       | Sequence 5, Appl  | 989  | 267.5 | 53.7 | 77  | 5 | US-10-977-113-14      | Sequence 14, Appl |
| 917 | 291 | 58.4 | 108 | 6 | US-11-548-830-2       | Sequence 2, Appl  | 990  | 267.5 | 53.7 | 77  | 5 | US-10-871-152-24      | Sequence 24, Appl |
| 918 | 291 | 58.4 | 108 | 6 | US-11-548-830-2       | Sequence 2, Appl  | 991  | 267.5 | 53.7 | 77  | 6 | US-11-073-420-14      | Sequence 14, Appl |
| 919 | 291 | 58.4 | 108 | 6 | US-11-443-428A-790496 | Sequence 790496   | 992  | 267.5 | 53.7 | 77  | 6 | US-11-048-649-11      | Sequence 11, Appl |
| 920 | 291 | 58.4 | 108 | 6 | US-11-548-826-2       | Sequence 2, Appl  | 993  | 267.5 | 53.7 | 96  | 4 | US-10-016-481-11      | Sequence 11, Appl |
| 921 | 291 | 58.4 | 108 | 6 | US-11-551-008-2       | Sequence 2, Appl  | 994  | 267.5 | 53.7 | 96  | 4 | US-10-132-812-12      | Sequence 12, Appl |
| 922 | 291 | 58.4 | 116 | 4 | US-10-680-755A-26     | Sequence 26, Appl | 995  | 267.5 | 53.7 | 96  | 4 | US-10-323-157-11      | Sequence 11, Appl |
| 923 | 291 | 58.4 | 116 | 4 | US-10-680-800A-26     | Sequence 26, Appl | 996  | 267.5 | 53.7 | 96  | 5 | US-10-713-567-11      | Sequence 11, Appl |
| 924 | 291 | 58.4 | 116 | 6 | US-11-548-814-26      | Sequence 26, Appl | 997  | 267.5 | 53.7 | 96  | 5 | US-10-811-328-11      | Sequence 11, Appl |
| 925 | 291 | 58.4 | 116 | 6 | US-11-550-982-26      | Sequence 26, Appl | 998  | 267.5 | 53.7 | 96  | 5 | US-10-912-907-11      | Sequence 11, Appl |
| 926 | 291 | 58.4 | 116 | 6 | US-11-548-805-26      | Sequence 26, Appl | 999  | 267.5 | 53.7 | 96  | 5 | US-10-415-724-11      | Sequence 11, Appl |
| 927 | 291 | 58.4 | 116 | 6 | US-11-550-993-26      | Sequence 26, Appl | 1000 | 267.5 | 53.7 | 96  | 5 | US-10-415-724-11      | Sequence 11, Appl |
| 928 | 291 | 58.4 | 116 | 6 | US-11-551-002-26      | Sequence 26, Appl | 1001 | 267.5 | 53.7 | 96  | 6 | US-11-529-695-11      | Sequence 11, Appl |
| 929 | 291 | 58.4 | 116 | 6 | US-11-548-810-26      | Sequence 26, Appl | 1002 | 265.5 | 53.3 | 102 | 4 | US-10-417-426-8       | Sequence 8, Appl  |
| 930 | 291 | 58.4 | 116 | 6 | US-11-548-819-26      | Sequence 26, Appl | 1003 | 265.5 | 53.3 | 102 | 5 | US-10-871-152-21      | Sequence 21, Appl |
| 931 | 291 | 58.4 | 116 | 6 | US-11-548-824-26      | Sequence 26, Appl | 1004 | 265.5 | 53.3 | 102 | 6 | US-11-048-649-8       | Sequence 8, Appl  |
| 932 | 291 | 58.4 | 116 | 6 | US-11-548-830-26      | Sequence 26, Appl | 1005 | 251.5 | 50.5 | 100 | 4 | US-10-417-426-6       | Sequence 6, Appl  |
| 933 | 291 | 58.4 | 116 | 6 | US-11-548-826-26      | Sequence 26, Appl | 1006 | 251.5 | 50.5 | 100 | 5 | US-10-871-152-19      | Sequence 19, Appl |
| 934 | 291 | 58.4 | 116 | 6 | US-11-551-008-26      | Sequence 26, Appl | 1007 | 251.5 | 50.5 | 100 | 6 | US-11-048-649-6       | Sequence 6, Appl  |
| 935 | 286 | 57.4 | 80  | 6 | US-10-977-113-10      | Sequence 10, Appl | 1008 | 250.5 | 50.3 | 75  | 4 | US-10-417-426-12      | Sequence 12, Appl |
| 936 | 286 | 57.4 | 80  | 6 | US-11-073-420-10      | Sequence 10, Appl | 1009 | 250.5 | 50.3 | 75  | 5 | US-10-977-113-13      | Sequence 13, Appl |
| 937 | 286 | 57.4 | 81  | 4 | US-10-417-426-7       | Sequence 7, Appl  | 1010 | 250.5 | 50.3 | 75  | 5 | US-10-871-152-25      | Sequence 25, Appl |
| 938 | 286 | 57.4 | 81  | 4 | US-10-467-019-39      | Sequence 39, Appl | 1011 | 250.5 | 50.3 | 75  | 6 | US-11-073-420-13      | Sequence 13, Appl |
| 939 | 286 | 57.4 | 81  | 5 | US-10-362-504-71      | Sequence 71, Appl | 1012 | 250.5 | 50.3 | 75  | 6 | US-11-048-649-12      | Sequence 12, Appl |
| 940 | 286 | 57.4 | 81  | 5 | US-10-680-554-9       | Sequence 9, Appl  | 1013 | 201.5 | 40.5 | 118 | 4 | US-10-132-812-8       | Sequence 8, Appl  |
| 941 | 286 | 57.4 | 81  | 5 | US-10-680-554-11      | Sequence 11, Appl | 1014 | 109   | 21.9 | 23  | 4 | US-10-680-755A-9      | Sequence 9, Appl  |
| 942 | 286 | 57.4 | 81  | 5 | US-10-713-567-29      | Sequence 29, Appl | 1015 | 109   | 21.9 | 23  | 4 | US-10-680-800A-9      | Sequence 9, Appl  |
| 943 | 286 | 57.4 | 81  | 5 | US-10-713-567-31      | Sequence 31, Appl | 1016 | 109   | 21.9 | 23  | 6 | US-11-548-814-9       | Sequence 9, Appl  |
| 944 | 286 | 57.4 | 81  | 5 | US-10-811-328-29      | Sequence 29, Appl | 1017 | 109   | 21.9 | 23  | 6 | US-11-550-982-9       | Sequence 9, Appl  |
| 945 | 286 | 57.4 | 81  | 5 | US-10-811-328-31      | Sequence 31, Appl | 1018 | 109   | 21.9 | 23  | 6 | US-11-548-805-9       | Sequence 9, Appl  |

|      |       |      |     |   |                       |                   |
|------|-------|------|-----|---|-----------------------|-------------------|
| 1019 | 109   | 21.9 | 23  | 6 | US-11-550-993-9       | Sequence 9, Appli |
| 1020 | 109   | 21.9 | 23  | 6 | US-11-551-002-9       | Sequence 9, Appli |
| 1021 | 109   | 21.9 | 23  | 6 | US-11-548-810-9       | Sequence 9, Appli |
| 1022 | 109   | 21.9 | 23  | 6 | US-11-548-819-9       | Sequence 9, Appli |
| 1023 | 109   | 21.9 | 23  | 6 | US-11-548-824-9       | Sequence 9, Appli |
| 1024 | 109   | 21.9 | 23  | 6 | US-11-548-830-9       | Sequence 9, Appli |
| 1025 | 109   | 21.9 | 23  | 6 | US-11-548-826-9       | Sequence 9, Appli |
| 1026 | 109   | 21.9 | 23  | 6 | US-11-551-008-9       | Sequence 9, Appli |
| 1027 | 108.5 | 21.8 | 221 | 5 | US-10-579-596-5       | Sequence 5, Appli |
| 1028 | 107.5 | 21.6 | 161 | 4 | US-10-287-971-32      | Sequence 32, Appl |
| 1029 | 107.5 | 21.6 | 173 | 4 | US-10-287-971-30      | Sequence 30, Appl |
| 1030 | 107.5 | 21.6 | 180 | 4 | US-10-287-971-34      | Sequence 34, Appl |
| 1031 | 107.5 | 21.6 | 224 | 3 | US-09-976-736-14      | Sequence 14, Appl |
| 1032 | 107.5 | 21.6 | 224 | 3 | US-09-972-473-5       | Sequence 5, Appli |
| 1033 | 107.5 | 21.6 | 224 | 3 | US-09-972-473-5       | Sequence 5, Appli |
| 1034 | 107.5 | 21.6 | 224 | 4 | US-10-295-027-628     | Sequence 628, App |
| 1035 | 107.5 | 21.6 | 224 | 4 | US-10-287-971-28      | Sequence 28, Appl |
| 1036 | 107.5 | 21.6 | 224 | 4 | US-10-408-765A-335    | Sequence 335, App |
| 1037 | 107.5 | 21.6 | 224 | 5 | US-10-819-054-5       | Sequence 5, Appli |
| 1038 | 107.5 | 21.6 | 224 | 5 | US-10-998-271-14      | Sequence 14, Appl |
| 1039 | 107.5 | 21.6 | 224 | 5 | US-10-579-596-2       | Sequence 2, Appli |
| 1040 | 107.5 | 21.6 | 224 | 5 | US-10-579-596-4       | Sequence 4, Appli |
| 1041 | 107.5 | 21.6 | 224 | 6 | US-11-255-790-5       | Sequence 5, Appli |
| 1042 | 107.5 | 21.6 | 224 | 6 | US-11-069-137-5       | Sequence 5, Appli |
| 1043 | 107.5 | 21.6 | 224 | 6 | US-11-443-428A-879994 | Sequence 879994,  |
| 1044 | 107.5 | 21.6 | 344 | 4 | US-10-201-310-3       | Sequence 3, Appli |
| 1045 | 107.5 | 21.6 | 350 | 3 | US-09-972-473-38      | Sequence 38, Appl |
| 1046 | 107.5 | 21.6 | 350 | 3 | US-09-972-473-38      | Sequence 38, Appl |
| 1047 | 107.5 | 21.6 | 350 | 5 | US-10-819-054-38      | Sequence 38, Appl |
| 1048 | 107.5 | 21.6 | 350 | 6 | US-11-255-790-38      | Sequence 38, Appl |
| 1049 | 107.5 | 21.6 | 350 | 6 | US-11-069-137-38      | Sequence 38, Appl |
| 1050 | 105.5 | 21.2 | 223 | 4 | US-10-271-628-4       | Sequence 4, Appli |
| 1051 | 105.5 | 21.2 | 223 | 6 | US-11-056-562-4       | Sequence 4, Appli |
| 1052 | 105.5 | 21.2 | 223 | 6 | US-11-465-956-4       | Sequence 4, Appli |
| 1053 | 102   | 20.5 | 179 | 3 | US-09-972-473-11      | Sequence 11, Appl |
| 1054 | 102   | 20.5 | 179 | 4 | US-09-972-473-11      | Sequence 11, Appl |
| 1055 | 102   | 20.5 | 179 | 4 | US-10-351-275-6       | Sequence 6, Appli |
| 1056 | 102   | 20.5 | 179 | 5 | US-10-819-054-11      | Sequence 11, Appl |
| 1057 | 102   | 20.5 | 179 | 6 | US-11-255-790-11      | Sequence 11, Appl |
| 1058 | 102   | 20.5 | 179 | 6 | US-11-069-137-11      | Sequence 11, Appl |
| 1059 | 102   | 20.5 | 186 | 5 | US-10-940-774-7146    | Sequence 7146, Ap |
| 1060 | 102   | 20.5 | 207 | 3 | US-09-976-736-13      | Sequence 13, Appl |
| 1061 | 102   | 20.5 | 207 | 5 | US-10-998-271-13      | Sequence 13, Appl |
| 1062 | 102   | 20.5 | 255 | 6 | US-11-443-428A-772896 | Sequence 772896,  |
| 1063 | 102   | 20.5 | 259 | 3 | US-09-976-736-12      | Sequence 12, Appl |

Search completed: November 29, 2007, 17:24:32

Job time : 70.3403 secs

GenCore version 6.2.1  
Copyright (c) 1993 - 2007 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: November 29, 2007, 17:24:47 ; Search time 11 Seconds

(without alignment)  
519.494 Million cell updates/sec

Title: US-10-692-299-2\_COPY\_20\_105

Perfect score: 498

Sequence: 1 AVITGACRDVQCAGTCCA.....CSRPFDRYRCSDMLKNINF 86

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 284443 seqs, 65276767 residues

Total number of hits satisfying chosen parameters: 284443

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database : Published Applications AA New:  
1: /EMC\_Celerra\_SIDS2/ptodata/2/pubpaa/US09\_NEW\_PUB.pap:  
2: /EMC\_Celerra\_SIDS2/ptodata/2/pubpaa/US06\_NEW\_PUB.pap:  
3: /EMC\_Celerra\_SIDS2/ptodata/2/pubpaa/US07\_NEW\_PUB.pap:  
4: /EMC\_Celerra\_SIDS2/ptodata/2/pubpaa/US08\_NEW\_PUB.pap:  
5: /EMC\_Celerra\_SIDS2/ptodata/2/pubpaa/PCT\_NEW\_PUB.pap:  
6: /EMC\_Celerra\_SIDS2/ptodata/2/pubpaa/US10\_NEW\_PUB.pap:  
7: /EMC\_Celerra\_SIDS2/ptodata/2/pubpaa/US11\_NEW\_PUB.pap:  
8: /EMC\_Celerra\_SIDS2/ptodata/2/pubpaa/US60\_NEW\_PUB.pap:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description          |
|------------|-------|-------------|--------|-------|----------------------|
| 1          | 498   | 100.0       | 86     | 7     | US-11-536-880-7      |
| 3          | 498   | 100.0       | 105    | 7     | US-11-552-437-166    |
| 4          | 498   | 100.0       | 105    | 7     | US-11-537-472-2      |
| 5          | 498   | 100.0       | 105    | 7     | US-11-537-235-470    |
| 6          | 498   | 100.0       | 105    | 7     | US-11-537-810-470    |
| 7          | 311.5 | 62.6        | 79     | 7     | US-11-537-472-5      |
| 8          | 291   | 58.4        | 100    | 7     | US-11-537-472-4      |
| 9          | 291   | 58.4        | 108    | 7     | US-11-536-880-4      |
| 10         | 286   | 57.4        | 107    | 7     | US-11-536-880-6      |
| 11         | 270.5 | 54.3        | 129    | 7     | US-11-536-880-2      |
| 13         | 100.5 | 20.2        | 83     | 7     | US-11-537-472-6      |
| 14         | 100.5 | 20.2        | 350    | 6     | US-10-594-211-251    |
| 15         | 97    | 19.5        | 266    | 6     | US-10-594-211-154    |
| 16         | 97    | 19.5        | 266    | 7     | US-11-537-235-428    |
| 17         | 97    | 19.5        | 266    | 7     | US-11-537-810-428    |
| 18         | 95.5  | 19.2        | 79     | 7     | US-11-537-472-7      |
| 19         | 74.5  | 15.0        | 536    | 7     | US-11-360-355-149216 |
| 20         | 74    | 14.9        | 593    | 7     | US-11-528-927-483    |
| 21         | 74    | 14.9        | 593    | 7     | US-11-528-950-483    |
| 22         | 72.5  | 14.6        | 435    | 7     | US-11-799-117-10     |
| 23         | 72.5  | 14.6        | 461    | 6     | US-10-551-004-74     |
| 24         | 72.5  | 14.6        | 461    | 7     | US-11-714-841-462    |
| 25         | 72.5  | 14.6        | 461    | 7     | US-11-714-841-467    |
| 26         | 72.5  | 14.6        | 461    | 7     | US-11-799-117-4      |
| 27         | 72.5  | 14.6        | 461    | 7     | US-11-783-419-462    |
| 28         | 72.5  | 14.6        | 461    | 7     | US-11-783-419-467    |
| 29         | 72.5  | 14.6        | 461    | 7     | US-11-741-432-186    |
| 30         | 72.5  | 14.6        | 467    | 7     | US-11-502-761-618    |
| 31         | 72.5  | 14.6        | 844    | 7     | US-11-714-841-246    |
| 32         | 72.5  | 14.6        | 844    | 7     | US-11-714-841-251    |
| 33         | 72.5  | 14.6        | 844    | 7     | US-11-783-419-246    |
| 34         | 72.5  | 14.6        | 844    | 7     | US-11-783-419-251    |
| 35         | 71    | 14.3        | 593    | 6     | US-10-529-351A-4846  |
| 36         | 70    | 14.1        | 682    | 6     | US-10-438-246-33505  |
| 37         | 69    | 13.9        | 524    | 6     | US-10-663-431-160    |
| 38         | 69    | 13.9        | 559    | 6     | US-10-663-431-152    |
| 39         | 69    | 13.9        | 566    | 6     | US-10-663-431-162    |
| 40         | 69    | 13.9        | 581    | 6     | US-10-663-431-154    |
| 41         | 69    | 13.9        | 601    | 6     | US-10-663-431-168    |
| 42         | 69    | 13.9        | 639    | 6     | US-10-663-431-158    |
| 43         | 69    | 13.9        | 659    | 6     | US-10-663-431-150    |
| 44         | 69    | 13.9        | 681    | 6     | US-10-663-431-166    |
| 45         | 69    | 13.9        | 698    | 6     | US-10-663-431-156    |
| 46         | 69    | 13.9        | 701    | 6     | US-10-663-431-164    |
| 47         | 69    | 13.9        | 703    | 6     | US-10-589-677-57     |
| 48         | 68.5  | 13.8        | 240    | 6     | US-10-438-246-8761   |
| 49         | 68.5  | 13.8        | 827    | 6     | US-10-438-246-20733  |
| 50         | 68.5  | 13.8        | 1112   | 7     | US-11-709-841-51     |
| 51         | 68.5  | 13.8        | 1133   | 7     | US-11-709-841-56     |
| 52         | 68    | 13.7        | 121    | 7     | US-11-689-173-5816   |
| 53         | 68    | 13.7        | 121    | 7     | US-11-689-173-5242   |
| 54         | 67.5  | 13.6        | 169    | 6     | US-10-767-701-56401  |
| 55         | 67.5  | 13.6        | 1641   | 7     | US-11-649-663A-760   |
| 56         | 67.5  | 13.6        | 1814   | 7     | US-11-257-477-162    |
| 57         | 67    | 13.5        | 148    | 7     | US-11-786-368-14     |
| 58         | 67    | 13.5        | 148    | 7     | US-11-786-369-14     |
| 59         | 67    | 13.5        | 984    | 7     | US-11-649-663A-2022  |
| 60         | 67    | 13.5        | 1229   | 7     | US-11-633-858-133    |
| 61         | 67    | 13.5        | 2321   | 7     | US-11-633-858-216    |
| 62         | 67    | 13.5        | 3392   | 7     | US-11-649-663A-1654  |
| 63         | 66.5  | 13.4        | 1375   | 6     | US-10-529-351A-4026  |
| 64         | 66.5  | 13.4        | 1375   | 6     | US-11-625-272-144    |
| 65         | 66.5  | 13.4        | 1391   | 7     | US-11-649-663A-4782  |
| 66         | 66.5  | 13.4        | 3942   | 7     | US-11-726-028-2      |
| 67         | 66.5  | 13.4        | 4125   | 7     | US-11-726-028-1      |
| 68         | 66    | 13.3        | 85     | 7     | US-11-214-372B-520   |
| 69         | 66    | 13.3        | 1269   | 7     | US-11-649-663A-232   |
| 70         | 66    | 13.3        | 1563   | 7     | US-11-649-663A-2514  |
| 71         | 66    | 13.3        | 1565   | 7     | US-11-649-663A-2142  |
| 72         | 66    | 13.3        | 3075   | 7     | US-11-633-858-220    |
| 73         | 65.5  | 13.2        | 166    | 7     | US-11-713-768-65783  |
| 74         | 65.5  | 13.2        | 179    | 7     | US-11-751-886-177    |
| 75         | 65.5  | 13.2        | 183    | 7     | US-11-713-768-65781  |
| 76         | 65    | 13.1        | 1248   | 7     | US-11-649-663A-934   |
| 77         | 65    | 13.1        | 1604   | 7     | US-11-649-663A-2686  |
| 78         | 65    | 13.1        | 3204   | 7     | US-11-649-663A-2004  |
| 79         | 64.5  | 13.0        | 141    | 7     | US-11-713-768-67485  |
| 80         | 64.5  | 13.0        | 229    | 7     | US-11-713-768-67483  |
| 81         | 64.5  | 13.0        | 264    | 6     | US-10-438-246-10848  |
| 82         | 64.5  | 13.0        | 724    | 7     | US-11-360-355-131955 |
| 83         | 64.5  | 13.0        | 1564   | 7     | US-11-649-663A-798   |
| 84         | 64.5  | 13.0        | 2000   | 6     | US-10-533-069-422    |
| 85         | 64.5  | 13.0        | 2214   | 6     | US-10-533-069-990    |
| 86         | 64.5  | 13.0        | 2279   | 6     | US-10-533-069-990    |
| 87         | 64    | 12.9        | 504    | 7     | US-11-360-355-120732 |
| 88         | 64    | 12.9        | 1143   | 6     | US-10-587-253-5      |
| 89         | 64    | 12.9        | 1568   | 7     | US-11-649-663A-2546  |
| 90         | 64    | 12.9        | 1595   | 7     | US-11-649-663A-2100  |
| 91         | 64    | 12.9        | 1883   | 7     | US-11-649-663A-708   |
| 92         | 63.5  | 12.8        | 197    | 6     | US-10-767-701-51471  |
| 93         | 63.5  | 12.8        | 1353   | 7     | US-11-649-663A-66    |
| 94         | 63.5  | 12.8        | 1509   | 7     | US-11-649-663A-1838  |
| 95         | 63.5  | 12.8        | 1510   | 7     | US-11-649-663A-838   |
| 96         | 63.5  | 12.8        | 1801   | 7     | US-11-649-663A-2660  |
| 97         | 63.5  | 12.8        | 3707   | 7     | US-11-625-272-139    |
| 98         | 63    | 12.7        | 1139   | 6     | US-10-587-253-6      |
| 99         | 63    | 12.7        | 1379   | 7     | US-11-649-663A-646   |
| 100        | 63    | 12.7        | 1581   | 7     | US-11-649-663A-906   |

Sequence 467, App  
Sequence 186, App  
Sequence 618, App  
Sequence 251, App  
Sequence 251, App  
Sequence 251, App  
Sequence 251, App  
Sequence 251, App  
Sequence 4846, App  
Sequence 33505, A  
Sequence 160, App  
Sequence 152, App  
Sequence 162, App  
Sequence 154, App  
Sequence 158, App  
Sequence 158, App  
Sequence 156, App  
Sequence 156, App  
Sequence 164, App  
Sequence 57, Appli  
Sequence 8761, Ap  
Sequence 20733, A  
Sequence 51, Appl  
Sequence 56, Appl  
Sequence 5816, Ap  
Sequence 9242, Ap  
Sequence 56401, A  
Sequence 760, App  
Sequence 162, App  
Sequence 14, Appl  
Sequence 14, Appl  
Sequence 2022, Ap  
Sequence 133, App  
Sequence 216, App  
Sequence 1654, Ap  
Sequence 4026, Ap  
Sequence 144, App  
Sequence 4782, Ap  
Sequence 2, Appli  
Sequence 1, Appli  
Sequence 520, App  
Sequence 232, App  
Sequence 2514, Ap  
Sequence 2142, Ap  
Sequence 220, App  
Sequence 65783, A  
Sequence 177, App  
Sequence 65781, A  
Sequence 934, App  
Sequence 2686, Ap  
Sequence 2004, Ap  
Sequence 67485, A  
Sequence 67483, A  
Sequence 131955, A  
Sequence 798, App  
Sequence 422, App  
Sequence 2, Appli  
Sequence 990, App  
Sequence 120732, A  
Sequence 5, Appli  
Sequence 2546, Ap  
Sequence 2100, Ap  
Sequence 708, App  
Sequence 51471, A  
Sequence 66, Appl  
Sequence 1838, Ap  
Sequence 838, App  
Sequence 2660, Ap  
Sequence 139, Appl  
Sequence 6, Appli  
Sequence 646, App  
Sequence 906, App

|     |      |      |      |   |                      |                   |     |      |      |      |   |                      |                    |
|-----|------|------|------|---|----------------------|-------------------|-----|------|------|------|---|----------------------|--------------------|
| 101 | 63   | 12.7 | 2344 | 7 | US-11-649-663A-1496  | Sequence 1496, Ap | 174 | 60.5 | 12.1 | 1081 | 7 | US-11-649-663A-308   | Sequence 308, App  |
| 102 | 63   | 12.7 | 2508 | 7 | US-11-649-663A-1598  | Sequence 1998, Ap | 175 | 60.5 | 12.1 | 1209 | 7 | US-11-649-663A-1610  | Sequence 1610, Ap  |
| 103 | 62.5 | 12.6 | 179  | 7 | US-11-713-768-61518  | Sequence 61518, A | 176 | 60.5 | 12.1 | 1438 | 7 | US-11-649-663A-1176  | Sequence 1176, Ap  |
| 104 | 62.5 | 12.6 | 211  | 7 | US-11-713-768-61517  | Sequence 61517, A | 177 | 60.5 | 12.1 | 1811 | 7 | US-11-649-663A-924   | Sequence 924, App  |
| 105 | 62.5 | 12.6 | 218  | 7 | US-11-649-663A-2784  | Sequence 2784, Ap | 178 | 60.5 | 12.1 | 1942 | 7 | US-11-649-663A-1096  | Sequence 1096, Ap  |
| 106 | 62.5 | 12.6 | 298  | 7 | US-11-713-768-6149   | Sequence 6149, Ap | 179 | 60.5 | 12.1 | 2143 | 7 | US-11-649-663A-1284  | Sequence 1284, Ap  |
| 107 | 62.5 | 12.6 | 386  | 7 | US-11-713-768-6148   | Sequence 6148, Ap | 180 | 60   | 12.0 | 1192 | 7 | US-11-649-663A-1394  | Sequence 1394, App |
| 108 | 62.5 | 12.6 | 386  | 7 | US-11-649-663A-1646  | Sequence 1646, Ap | 181 | 60   | 12.0 | 1192 | 7 | US-11-649-663A-1832  | Sequence 1832, Ap  |
| 109 | 62.5 | 12.6 | 1600 | 7 | US-11-649-663A-2664  | Sequence 2664, Ap | 182 | 60   | 12.0 | 1293 | 7 | US-11-649-663A-2848  | Sequence 2848, Ap  |
| 110 | 62.5 | 12.6 | 2380 | 7 | US-11-649-663A-1898  | Sequence 1698, Ap | 183 | 60   | 12.0 | 1293 | 7 | US-11-649-663A-832   | Sequence 832, App  |
| 111 | 62.5 | 12.6 | 2643 | 7 | US-11-649-663A-58    | Sequence 58, Appl | 184 | 60   | 12.0 | 1713 | 7 | US-11-649-663A-2224  | Sequence 2224, Ap  |
| 112 | 62.5 | 12.6 | 4147 | 7 | US-11-726-028-3      | Sequence 3, Appl1 | 185 | 60   | 12.0 | 2117 | 7 | US-11-649-663A-2836  | Sequence 2836, Ap  |
| 113 | 62   | 12.4 | 383  | 6 | US-10-529-351A-4089  | Sequence 4089, Ap | 186 | 60   | 12.0 | 2368 | 7 | US-11-649-663A-2844  | Sequence 2844, Ap  |
| 114 | 62   | 12.4 | 695  | 7 | US-11-709-841-50     | Sequence 50, Appl | 187 | 60   | 12.0 | 2391 | 7 | US-11-649-663A-1386  | Sequence 1386, Ap  |
| 115 | 62   | 12.4 | 707  | 7 | US-11-709-841-58     | Sequence 58, Appl | 188 | 60   | 12.0 | 2910 | 7 | US-11-403-116-1113   | Sequence 1113, Ap  |
| 116 | 62   | 12.4 | 789  | 7 | US-11-649-663A-818   | Sequence 818, App | 189 | 60   | 12.0 | 3259 | 7 | US-11-649-663A-1020  | Sequence 1020, Ap  |
| 117 | 62   | 12.4 | 789  | 7 | US-11-649-663A-1730  | Sequence 1730, Ap | 190 | 60   | 12.0 | 3259 | 7 | US-11-649-663A-2622  | Sequence 2622, Ap  |
| 118 | 62   | 12.4 | 804  | 7 | US-11-709-841-49     | Sequence 49, Appl | 191 | 59.5 | 11.9 | 176  | 7 | US-11-360-355-132135 | Sequence 132135,   |
| 119 | 62   | 12.4 | 1017 | 7 | US-11-649-663A-956   | Sequence 956, App | 192 | 59.5 | 11.9 | 197  | 6 | US-10-438-246-8755   | Sequence 8755, Ap  |
| 120 | 62   | 12.4 | 1170 | 7 | US-11-709-841-44     | Sequence 44, Appl | 193 | 59.5 | 11.9 | 412  | 6 | US-10-438-246-8760   | Sequence 8760, Ap  |
| 121 | 62   | 12.4 | 1376 | 7 | US-11-649-663A-378   | Sequence 45, Appl | 194 | 59.5 | 11.9 | 475  | 7 | US-11-360-355-126876 | Sequence 126876,   |
| 122 | 62   | 12.4 | 1170 | 7 | US-11-649-663A-1738  | Sequence 47, Appl | 195 | 59.5 | 11.9 | 521  | 7 | US-11-649-663A-3800  | Sequence 3800, Ap  |
| 123 | 62   | 12.4 | 1170 | 7 | US-11-649-663A-1326  | Sequence 138, App | 196 | 59.5 | 11.9 | 521  | 7 | US-11-649-663A-3272  | Sequence 3272, Ap  |
| 124 | 62   | 12.4 | 1191 | 7 | US-11-709-841-54     | Sequence 54, Appl | 197 | 59.5 | 11.9 | 527  | 7 | US-11-360-355-152732 | Sequence 152732,   |
| 125 | 62   | 12.4 | 1228 | 7 | US-11-649-663A-980   | Sequence 980, App | 198 | 59.5 | 11.9 | 612  | 7 | US-11-360-355-152732 | Sequence 152732,   |
| 126 | 62   | 12.4 | 1376 | 7 | US-11-649-663A-378   | Sequence 378, App | 199 | 59.5 | 11.9 | 729  | 7 | US-11-649-663A-230   | Sequence 230, App  |
| 127 | 62   | 12.4 | 1379 | 7 | US-11-649-663A-1738  | Sequence 1738, Ap | 200 | 59.5 | 11.9 | 777  | 7 | US-11-218-035-3      | Sequence 3, Appl1  |
| 128 | 62   | 12.4 | 1527 | 7 | US-11-649-663A-1326  | Sequence 1326, Ap | 201 | 59.5 | 11.9 | 894  | 7 | US-11-649-663A-1892  | Sequence 1892, Ap  |
| 129 | 62   | 12.4 | 1542 | 7 | US-11-649-663A-50    | Sequence 50, Appl | 202 | 59.5 | 11.9 | 957  | 7 | US-11-649-663A-1976  | Sequence 1976, Ap  |
| 130 | 62   | 12.4 | 1919 | 7 | US-11-649-663A-2170  | Sequence 2170, Ap | 203 | 59.5 | 11.9 | 972  | 7 | US-11-649-663A-1318  | Sequence 1318, Ap  |
| 131 | 62   | 12.4 | 2558 | 7 | US-11-633-858-235    | Sequence 235, App | 204 | 59.5 | 11.9 | 1038 | 7 | US-11-649-663A-2356  | Sequence 2356, Ap  |
| 132 | 62   | 12.4 | 2656 | 7 | US-11-649-663A-2464  | Sequence 2464, Ap | 205 | 59.5 | 11.9 | 1094 | 7 | US-11-649-663A-1356  | Sequence 1356, App |
| 133 | 62   | 12.4 | 4659 | 7 | US-11-649-663A-1816  | Sequence 1816, Ap | 206 | 59.5 | 11.9 | 1132 | 7 | US-11-649-663A-892   | Sequence 892, App  |
| 134 | 61.5 | 12.3 | 256  | 7 | US-11-360-355-153083 | Sequence 153083,  | 207 | 59.5 | 11.9 | 1155 | 7 | US-11-649-663A-1546  | Sequence 1546, Ap  |
| 135 | 61.5 | 12.3 | 277  | 6 | US-10-533-069-1076   | Sequence 1076, Ap | 208 | 59.5 | 11.9 | 1284 | 7 | US-11-649-663A-1880  | Sequence 1880, Ap  |
| 136 | 61.5 | 12.3 | 303  | 7 | US-11-360-355-150454 | Sequence 150454,  | 209 | 59.5 | 11.9 | 1432 | 7 | US-11-649-663A-2846  | Sequence 2846, Ap  |
| 137 | 61.5 | 12.3 | 1233 | 7 | US-11-649-663A-734   | Sequence 734, App | 210 | 59.5 | 11.9 | 1573 | 7 | US-11-649-663A-770   | Sequence 770, App  |
| 138 | 61.5 | 12.3 | 1233 | 7 | US-11-649-663A-784   | Sequence 784, App | 211 | 59.5 | 11.9 | 1860 | 7 | US-11-649-663A-612   | Sequence 612, App  |
| 139 | 61.5 | 12.3 | 1277 | 7 | US-11-649-663A-634   | Sequence 634, App | 212 | 59.5 | 11.9 | 1896 | 7 | US-11-649-663A-1376  | Sequence 1376, Ap  |
| 140 | 61.5 | 12.3 | 1676 | 7 | US-11-649-663A-628   | Sequence 628, App | 213 | 59.5 | 11.9 | 2430 | 7 | US-11-649-663A-96    | Sequence 96, Appl  |
| 141 | 61.5 | 12.3 | 1681 | 7 | US-11-649-663A-416   | Sequence 416, App | 214 | 59.5 | 11.9 | 2499 | 7 | US-11-649-663A-138   | Sequence 138, App  |
| 142 | 61.5 | 12.3 | 1859 | 7 | US-11-649-663A-940   | Sequence 940, App | 215 | 59.5 | 11.9 | 2762 | 7 | US-11-649-663A-2530  | Sequence 2530, Ap  |
| 143 | 61.5 | 12.3 | 2157 | 7 | US-11-550-102-2      | Sequence 2, Appl1 | 216 | 59.5 | 11.9 | 2841 | 7 | US-11-649-663A-2530  | Sequence 2530, A   |
| 144 | 61.5 | 12.3 | 2514 | 7 | US-11-649-663A-2064  | Sequence 2064, Ap | 217 | 59   | 11.8 | 167  | 6 | US-10-767-701-61680  | Sequence 61680, A  |
| 145 | 61.5 | 12.3 | 2570 | 6 | US-10-529-351A-1164  | Sequence 1164, Ap | 218 | 59   | 11.8 | 209  | 7 | US-11-713-768-25121  | Sequence 25121, A  |
| 146 | 61.5 | 12.3 | 2670 | 7 | US-11-649-663A-1786  | Sequence 1786, Ap | 219 | 59   | 11.8 | 314  | 7 | US-11-713-768-88093  | Sequence 88093, A  |
| 147 | 61   | 12.2 | 79   | 7 | US-11-537-472-8      | Sequence 8, Appl1 | 220 | 59   | 11.8 | 315  | 7 | US-11-728-567-994    | Sequence 994, App  |
| 148 | 61   | 12.2 | 248  | 7 | US-11-360-355-167671 | Sequence 167671,  | 221 | 59   | 11.8 | 348  | 7 | US-11-713-768-88092  | Sequence 88092, A  |
| 149 | 61   | 12.2 | 401  | 7 | US-11-360-355-131018 | Sequence 131018,  | 222 | 59   | 11.8 | 448  | 7 | US-11-234-694-74     | Sequence 74, Appl  |
| 150 | 61   | 12.2 | 703  | 6 | US-10-663-431-147    | Sequence 147, App | 223 | 59   | 11.8 | 448  | 7 | US-11-799-117-12     | Sequence 12, Appl  |
| 151 | 61   | 12.2 | 705  | 6 | US-10-589-677-55     | Sequence 55, Appl | 224 | 59   | 11.8 | 1170 | 7 | US-11-649-663A-1988  | Sequence 1988, Ap  |
| 152 | 61   | 12.2 | 1144 | 7 | US-11-649-663A-2720  | Sequence 2720, Ap | 225 | 59   | 11.8 | 1245 | 7 | US-11-649-663A-850   | Sequence 850, App  |
| 153 | 61   | 12.2 | 1170 | 6 | US-10-533-069-155    | Sequence 155, App | 226 | 59   | 11.8 | 1300 | 7 | US-11-649-663A-112   | Sequence 112, App  |
| 154 | 61   | 12.2 | 1255 | 7 | US-11-649-663A-1594  | Sequence 1594, Ap | 227 | 59   | 11.8 | 1302 | 7 | US-11-649-663A-2152  | Sequence 2152, Ap  |
| 155 | 61   | 12.2 | 1345 | 7 | US-11-649-663A-2248  | Sequence 2248, Ap | 228 | 59   | 11.8 | 1303 | 7 | US-11-649-663A-430   | Sequence 430, App  |
| 156 | 61   | 12.2 | 1620 | 7 | US-11-649-663A-1132  | Sequence 1132, Ap | 229 | 59   | 11.8 | 1553 | 7 | US-11-649-663A-380   | Sequence 380, App  |
| 157 | 61   | 12.2 | 1673 | 7 | US-11-649-663A-1178  | Sequence 1178, Ap | 230 | 59   | 11.8 | 1703 | 7 | US-11-649-663A-558   | Sequence 558, App  |
| 158 | 61   | 12.2 | 1736 | 7 | US-11-649-663A-664   | Sequence 664, App | 231 | 59   | 11.8 | 1733 | 7 | US-11-649-663A-814   | Sequence 814, App  |
| 159 | 61   | 12.2 | 1865 | 7 | US-11-649-663A-2174  | Sequence 2174, Ap | 232 | 59   | 11.8 | 1814 | 7 | US-11-649-663A-2750  | Sequence 2750, Ap  |
| 160 | 61   | 12.2 | 1870 | 7 | US-11-649-663A-4998  | Sequence 4998, Ap | 233 | 59   | 11.8 | 1814 | 7 | US-11-649-663A-1182  | Sequence 1182, Ap  |
| 161 | 61   | 12.2 | 1914 | 7 | US-11-649-663A-20    | Sequence 20, Appl | 234 | 59   | 11.8 | 1948 | 7 | US-11-649-663A-2702  | Sequence 2702, Ap  |
| 162 | 61   | 12.2 | 1962 | 7 | US-11-649-663A-1748  | Sequence 1748, Ap | 235 | 59   | 11.8 | 2047 | 7 | US-11-649-663A-680   | Sequence 680, App  |
| 163 | 61   | 12.2 | 1962 | 7 | US-11-649-663A-2754  | Sequence 2754, Ap | 236 | 58.5 | 11.7 | 222  | 6 | US-10-767-701-56855  | Sequence 56855, A  |
| 164 | 61   | 12.2 | 2016 | 7 | US-11-649-663A-2188  | Sequence 2188, Ap | 237 | 58.5 | 11.7 | 258  | 7 | US-11-257-477-28     | Sequence 28, Appl  |
| 165 | 61   | 12.2 | 2124 | 7 | US-11-649-663A-2768  | Sequence 2768, Ap | 238 | 58.5 | 11.7 | 305  | 6 | US-10-438-246-33140  | Sequence 33140, A  |
| 166 | 61   | 12.2 | 2128 | 7 | US-11-649-663A-1384  | Sequence 1384, Ap | 239 | 58.5 | 11.7 | 486  | 7 | US-11-649-663A-82    | Sequence 82, Appl  |
| 167 | 60.5 | 12.1 | 35   | 6 | US-10-767-701-42785  | Sequence 42785, A | 240 | 58.5 | 11.7 | 584  | 7 | US-11-403-116-468    | Sequence 468, App  |
| 168 | 60.5 | 12.1 | 183  | 7 | US-11-689-173-6573   | Sequence 6573, Ap | 241 | 58.5 | 11.7 | 584  | 7 | US-11-403-116-470    | Sequence 470, App  |
| 169 | 60.5 | 12.1 | 183  | 7 | US-11-689-173-9632   | Sequence 9632, Ap | 242 | 58.5 | 11.7 | 787  | 7 | US-11-552-437-90     | Sequence 90, Appl  |
| 170 | 60.5 | 12.1 | 723  | 6 | US-10-533-069-2074   | Sequence 2074, Ap | 243 | 58.5 | 11.7 | 863  | 7 | US-11-713-768-82720  | Sequence 82720, A  |
| 171 | 60.5 | 12.1 | 723  | 7 | US-11-537-235-346    | Sequence 346, App | 244 | 58.5 | 11.7 | 893  | 7 | US-11-713-768-82719  | Sequence 82719, A  |
| 172 | 60.5 | 12.1 | 723  | 7 | US-11-625-272-100    | Sequence 100, App | 245 | 58.5 | 11.7 | 895  | 7 | US-11-713-768-82718  | Sequence 82718, A  |
| 173 | 60.5 | 12.1 | 723  | 7 | US-11-553-810-346    | Sequence 346, App | 246 | 58.5 | 11.7 | 1299 | 7 | US-11-649-663A-1640  | Sequence 1640, Ap  |



|     |      |      |      |   |                      |                    |     |      |      |      |   |                      |                    |
|-----|------|------|------|---|----------------------|--------------------|-----|------|------|------|---|----------------------|--------------------|
| 248 | 58.5 | 11.7 | 1347 | 7 | US-11-649-663A-1066  | Sequence 1066, Ap  | 322 | 57.5 | 11.5 | 1915 | 7 | US-11-649-663A-1702  | Sequence 1702, Ap  |
| 249 | 58.5 | 11.7 | 1368 | 7 | US-11-649-663A-4560  | Sequence 4560, Ap  | 323 | 57.5 | 11.5 | 2052 | 7 | US-11-649-663A-652   | Sequence 652, App  |
| 250 | 58.5 | 11.7 | 1437 | 7 | US-11-649-663A-2302  | Sequence 2302, Ap  | 324 | 57.5 | 11.5 | 2119 | 7 | US-11-649-663A-4798  | Sequence 4798, Ap  |
| 251 | 58.5 | 11.7 | 1571 | 7 | US-11-649-663A-2074  | Sequence 2074, Ap  | 325 | 57.5 | 11.5 | 2137 | 7 | US-11-649-663A-4852  | Sequence 4852, Ap  |
| 252 | 58.5 | 11.7 | 1595 | 7 | US-11-649-663A-4562  | Sequence 4562, Ap  | 326 | 57.5 | 11.5 | 2574 | 7 | US-11-649-663A-1990  | Sequence 1990, Ap  |
| 253 | 58.5 | 11.7 | 1660 | 7 | US-11-649-663A-2132  | Sequence 2132, Ap  | 327 | 57.5 | 11.5 | 2871 | 6 | US-10-529-351A-4185  | Sequence 4185, Ap  |
| 254 | 58.5 | 11.7 | 1661 | 7 | US-11-649-663A-1792  | Sequence 1792, Ap  | 328 | 57.5 | 11.5 | 5109 | 7 | US-11-649-663A-1520  | Sequence 1520, Ap  |
| 255 | 58.5 | 11.7 | 1830 | 7 | US-11-649-663A-1478  | Sequence 1478, Ap  | 329 | 57   | 11.4 | 95   | 6 | US-10-767-701-34249  | Sequence 34249, A  |
| 256 | 58.5 | 11.7 | 1845 | 7 | US-11-649-663A-1980  | Sequence 1980, Ap  | 330 | 57   | 11.4 | 112  | 6 | US-10-767-701-40551  | Sequence 40551, A  |
| 257 | 58.5 | 11.7 | 1965 | 7 | US-11-649-663A-1092  | Sequence 1092, Ap  | 331 | 57   | 11.4 | 115  | 7 | US-11-649-663A-5376  | Sequence 5376, Ap  |
| 258 | 58.5 | 11.7 | 2012 | 7 | US-11-649-663A-528   | Sequence 528, App  | 332 | 57   | 11.4 | 141  | 7 | US-11-360-355-138324 | Sequence 138324,   |
| 259 | 58.5 | 11.7 | 2061 | 7 | US-11-649-663A-1216  | Sequence 1216, Ap  | 333 | 57   | 11.4 | 149  | 7 | US-11-360-355-159798 | Sequence 159798,   |
| 260 | 58   | 11.6 | 45   | 7 | US-11-214-372B-120   | Sequence 120, App  | 334 | 57   | 11.4 | 159  | 7 | US-11-689-173-7143   | Sequence 7143, Ap  |
| 261 | 58   | 11.6 | 83   | 6 | US-10-767-701-40042  | Sequence 40042, A  | 335 | 57   | 11.4 | 159  | 7 | US-11-689-173-10034  | Sequence 10034, A  |
| 262 | 58   | 11.6 | 115  | 7 | US-11-689-173-8506   | Sequence 8506, Ap  | 336 | 57   | 11.4 | 159  | 7 | US-11-689-173-8731   | Sequence 8731, A   |
| 263 | 58   | 11.6 | 127  | 6 | US-10-767-701-45809  | Sequence 45809, A  | 337 | 57   | 11.4 | 464  | 7 | US-10-438-246-33486  | Sequence 33486, A  |
| 264 | 58   | 11.6 | 299  | 6 | US-10-438-246-18090  | Sequence 18090, A  | 338 | 57   | 11.4 | 549  | 6 | US-11-403-116-465    | Sequence 465, App  |
| 265 | 58   | 11.6 | 299  | 6 | US-10-438-246-25229  | Sequence 25229, A  | 339 | 57   | 11.4 | 555  | 6 | US-10-529-351A-1871  | Sequence 1871, Ap  |
| 266 | 58   | 11.6 | 301  | 6 | US-10-767-701-40000  | Sequence 40000, A  | 342 | 57   | 11.4 | 850  | 7 | US-11-649-663A-534   | Sequence 534, App  |
| 267 | 58   | 11.6 | 525  | 7 | US-11-713-768-76541  | Sequence 76541, A  | 343 | 57   | 11.4 | 856  | 7 | US-11-649-663A-1592  | Sequence 1592, Ap  |
| 268 | 58   | 11.6 | 539  | 7 | US-11-713-768-76540  | Sequence 76540, A  | 344 | 57   | 11.4 | 984  | 7 | US-11-649-663A-1592  | Sequence 1592, Ap  |
| 269 | 58   | 11.6 | 710  | 7 | US-11-649-663A-4112  | Sequence 4112, Ap  | 345 | 57   | 11.4 | 1001 | 7 | US-11-649-663A-1460  | Sequence 1460, Ap  |
| 270 | 58   | 11.6 | 901  | 7 | US-11-360-355-146763 | Sequence 146763,   | 346 | 57   | 11.4 | 1027 | 7 | US-11-649-663A-4296  | Sequence 4296, Ap  |
| 271 | 58   | 11.6 | 1026 | 7 | US-11-649-663A-1834  | Sequence 1834, Ap  | 347 | 57   | 11.4 | 1131 | 7 | US-11-649-663A-1604  | Sequence 1604, Ap  |
| 272 | 58   | 11.6 | 1075 | 7 | US-11-649-663A-3060  | Sequence 3060, Ap  | 348 | 57   | 11.4 | 1215 | 7 | US-11-649-663A-2800  | Sequence 2800, Ap  |
| 273 | 58   | 11.6 | 1103 | 7 | US-11-649-663A-2450  | Sequence 2450, Ap  | 349 | 57   | 11.4 | 1242 | 7 | US-11-649-663A-1678  | Sequence 1678, Ap  |
| 274 | 58   | 11.6 | 1259 | 7 | US-11-649-663A-5038  | Sequence 5038, Ap  | 350 | 57   | 11.4 | 1274 | 7 | US-11-649-663A-1848  | Sequence 1848, Ap  |
| 275 | 58   | 11.6 | 1271 | 7 | US-11-649-663A-2618  | Sequence 2618, Ap  | 351 | 57   | 11.4 | 1310 | 7 | US-11-649-663A-1186  | Sequence 1186, Ap  |
| 276 | 58   | 11.6 | 1272 | 7 | US-11-649-663A-422   | Sequence 422, App  | 352 | 57   | 11.4 | 1365 | 7 | US-11-649-663A-2290  | Sequence 2290, Ap  |
| 277 | 58   | 11.6 | 1375 | 7 | US-11-649-663A-622   | Sequence 622, App  | 353 | 57   | 11.4 | 1396 | 7 | US-11-649-663A-466   | Sequence 466, App  |
| 278 | 58   | 11.6 | 1419 | 7 | US-11-649-663A-1332  | Sequence 1332, App | 354 | 57   | 11.4 | 1418 | 7 | US-11-649-663A-950   | Sequence 950, App  |
| 279 | 58   | 11.6 | 1431 | 7 | US-11-649-663A-2332  | Sequence 2332, Ap  | 355 | 57   | 11.4 | 1432 | 7 | US-11-649-663A-1100  | Sequence 1100, Ap  |
| 280 | 58   | 11.6 | 1489 | 7 | US-11-649-663A-2422  | Sequence 2422, Ap  | 356 | 57   | 11.4 | 1444 | 7 | US-11-649-663A-2626  | Sequence 2626, Ap  |
| 281 | 58   | 11.6 | 1490 | 7 | US-11-649-663A-2534  | Sequence 2534, Ap  | 357 | 57   | 11.4 | 1445 | 7 | US-11-649-663A-1452  | Sequence 1452, Ap  |
| 282 | 58   | 11.6 | 1491 | 7 | US-11-649-663A-382   | Sequence 382, App  | 358 | 57   | 11.4 | 1486 | 7 | US-11-649-663A-2522  | Sequence 2522, Ap  |
| 283 | 58   | 11.6 | 1492 | 7 | US-11-649-663A-2094  | Sequence 2094, Ap  | 359 | 57   | 11.4 | 1533 | 7 | US-11-649-663A-78    | Sequence 78, Appl  |
| 284 | 58   | 11.6 | 1575 | 7 | US-11-649-663A-2648  | Sequence 2648, Ap  | 360 | 57   | 11.4 | 1555 | 7 | US-11-649-663A-1366  | Sequence 1366, Ap  |
| 285 | 58   | 11.6 | 1577 | 7 | US-11-649-663A-396   | Sequence 396, App  | 361 | 57   | 11.4 | 1596 | 7 | US-11-649-663A-792   | Sequence 792, App  |
| 286 | 58   | 11.6 | 1638 | 7 | US-11-649-663A-660   | Sequence 660, App  | 362 | 57   | 11.4 | 1709 | 7 | US-11-649-663A-3210  | Sequence 3210, Ap  |
| 287 | 58   | 11.6 | 1656 | 7 | US-11-649-663A-3004  | Sequence 3004, Ap  | 363 | 57   | 11.4 | 1737 | 7 | US-11-649-663A-674   | Sequence 674, App  |
| 288 | 58   | 11.6 | 1689 | 7 | US-11-649-663A-1196  | Sequence 1196, Ap  | 364 | 57   | 11.4 | 1750 | 7 | US-11-649-663A-570   | Sequence 570, App  |
| 289 | 58   | 11.6 | 1745 | 7 | US-11-649-663A-960   | Sequence 960, App  | 365 | 57   | 11.4 | 1751 | 7 | US-11-649-663A-2426  | Sequence 2426, Ap  |
| 290 | 58   | 11.6 | 1773 | 7 | US-11-649-663A-1710  | Sequence 1710, Ap  | 366 | 57   | 11.4 | 1764 | 7 | US-11-649-663A-2034  | Sequence 2034, Ap  |
| 291 | 58   | 11.6 | 2088 | 7 | US-11-649-663A-4996  | Sequence 4996, Ap  | 367 | 57   | 11.4 | 1867 | 7 | US-11-649-663A-406   | Sequence 406, App  |
| 292 | 58   | 11.6 | 2628 | 7 | US-11-649-663A-2692  | Sequence 2692, Ap  | 368 | 57   | 11.4 | 1867 | 7 | US-11-649-663A-2604  | Sequence 2604, Ap  |
| 293 | 57.5 | 11.5 | 280  | 7 | US-11-656-491-5395   | Sequence 5395, Ap  | 369 | 57   | 11.4 | 1868 | 7 | US-11-649-663A-2266  | Sequence 2266, Ap  |
| 294 | 57.5 | 11.5 | 328  | 7 | US-11-713-768-9512   | Sequence 9512, Ap  | 370 | 57   | 11.4 | 1872 | 7 | US-11-649-663A-1664  | Sequence 1664, Ap  |
| 295 | 57.5 | 11.5 | 369  | 6 | US-10-767-701-47121  | Sequence 47121, A  | 371 | 57   | 11.4 | 1945 | 7 | US-11-649-663A-1972  | Sequence 1972, Ap  |
| 296 | 57.5 | 11.5 | 420  | 7 | US-11-713-768-9511   | Sequence 9511, Ap  | 372 | 57   | 11.4 | 2017 | 7 | US-11-649-663A-2682  | Sequence 2682, Ap  |
| 297 | 57.5 | 11.5 | 442  | 7 | US-11-689-173-9303   | Sequence 9303, Ap  | 373 | 57   | 11.4 | 2045 | 7 | US-11-649-663A-2726  | Sequence 2726, Ap  |
| 298 | 57.5 | 11.5 | 493  | 7 | US-11-713-768-9510   | Sequence 9510, Ap  | 374 | 57   | 11.4 | 2072 | 7 | US-11-649-663A-1184  | Sequence 1184, Ap  |
| 299 | 57.5 | 11.5 | 493  | 7 | US-11-713-768-9510   | Sequence 9510, Ap  | 375 | 57   | 11.4 | 2079 | 7 | US-11-649-663A-2126  | Sequence 2126, Ap  |
| 300 | 57.5 | 11.5 | 678  | 7 | US-11-649-663A-3924  | Sequence 3924, Ap  | 376 | 57   | 11.4 | 2079 | 7 | US-11-649-663A-2408  | Sequence 2408, Ap  |
| 301 | 57.5 | 11.5 | 745  | 7 | US-11-537-235-68     | Sequence 68, Appl  | 377 | 57   | 11.4 | 2355 | 7 | US-11-625-272-147    | Sequence 147, App  |
| 302 | 57.5 | 11.5 | 745  | 7 | US-11-553-810-68     | Sequence 68, Appl  | 378 | 57   | 11.4 | 2386 | 7 | US-11-707-223-32     | Sequence 32, Appl  |
| 303 | 57.5 | 11.5 | 991  | 6 | US-10-481-700-5      | Sequence 5, Appl1  | 379 | 57   | 11.4 | 2472 | 7 | US-11-649-663A-1716  | Sequence 1716, Ap  |
| 304 | 57.5 | 11.5 | 1070 | 7 | US-11-649-663A-2300  | Sequence 2300, Ap  | 380 | 57   | 11.4 | 2472 | 7 | US-11-649-663A-1864  | Sequence 1864, Ap  |
| 305 | 57.5 | 11.5 | 1092 | 7 | US-11-649-663A-912   | Sequence 912, App  | 381 | 57   | 11.4 | 2643 | 7 | US-11-649-663A-1864  | Sequence 1864, Ap  |
| 306 | 57.5 | 11.5 | 1223 | 7 | US-11-649-663A-2472  | Sequence 2472, Ap  | 382 | 57   | 11.4 | 3250 | 7 | US-11-649-663A-2262  | Sequence 2262, Ap  |
| 307 | 57.5 | 11.5 | 1232 | 7 | US-11-649-663A-2840  | Sequence 2840, Ap  | 383 | 57   | 11.4 | 3331 | 7 | US-11-649-663A-1574  | Sequence 1574, Ap  |
| 308 | 57.5 | 11.5 | 1356 | 7 | US-11-716-794-17     | Sequence 17, Appl  | 384 | 57   | 11.4 | 3682 | 7 | US-11-649-663A-2486  | Sequence 2486, Ap  |
| 309 | 57.5 | 11.5 | 1396 | 7 | US-11-649-663A-1102  | Sequence 1102, Ap  | 385 | 57   | 11.4 | 6498 | 7 | US-11-726-028-8      | Sequence 8, Appl1  |
| 310 | 57.5 | 11.5 | 1504 | 7 | US-11-649-663A-932   | Sequence 932, App  | 386 | 56.5 | 11.3 | 62   | 7 | US-11-518-590-508    | Sequence 508, App  |
| 311 | 57.5 | 11.5 | 1506 | 7 | US-11-649-663A-1992  | Sequence 1992, Ap  | 387 | 56.5 | 11.3 | 143  | 6 | US-10-438-246-3361   | Sequence 3361, A   |
| 312 | 57.5 | 11.5 | 1530 | 7 | US-11-649-663A-1862  | Sequence 1862, Ap  | 388 | 56.5 | 11.3 | 231  | 7 | US-11-360-355-151313 | Sequence 151313,   |
| 313 | 57.5 | 11.5 | 1568 | 6 | US-10-438-246-23878  | Sequence 23878, A  | 389 | 56.5 | 11.3 | 233  | 6 | US-10-438-246-33360  | Sequence 33360, A  |
| 314 | 57.5 | 11.5 | 1627 | 7 | US-11-390-828-4      | Sequence 4, Appl1  | 390 | 56.5 | 11.3 | 264  | 7 | US-11-689-173-6813   | Sequence 6813, Ap  |
| 315 | 57.5 | 11.5 | 1709 | 7 | US-11-649-663A-2970  | Sequence 2970, Ap  | 391 | 56.5 | 11.3 | 439  | 7 | US-11-713-768-6832   | Sequence 6832, Ap  |
| 316 | 57.5 | 11.5 | 1754 | 7 | US-11-649-663A-2600  | Sequence 2600, Ap  | 392 | 56.5 | 11.3 | 462  | 7 | US-11-713-768-6831   | Sequence 6831, Ap  |
| 317 | 57.5 | 11.5 | 1758 | 7 | US-11-649-663A-2310  | Sequence 2310, Ap  | 393 | 56.5 | 11.3 | 463  | 7 | US-11-649-663A-80    | Sequence 80, Appl1 |
| 318 | 57.5 | 11.5 | 1765 | 7 | US-11-649-663A-2282  | Sequence 2282, Ap  | 394 | 56.5 | 11.3 | 480  | 7 | US-11-713-768-6830   | Sequence 6830, Ap  |
| 319 | 57.5 | 11.5 | 1783 | 7 | US-11-649-663A-902   | Sequence 902, App  | 395 | 56.5 | 11.3 | 575  | 7 | US-11-689-173-6159   | Sequence 6159, Ap  |
| 320 | 57.5 | 11.5 | 1821 | 7 | US-11-649-663A-2108  | Sequence 2108, Ap  | 396 | 56.5 | 11.3 | 575  | 7 | US-11-689-173-9411   | Sequence 9411, Ap  |
| 321 | 57.5 | 11.5 | 1913 | 6 | US-10-529-351A-5     | Sequence 5, Appl1  |     | 56.5 | 11.3 | 659  | 7 | US-11-649-663A-614   | Sequence 614, App  |

|     |      |      |      |   |                      |                    |     |      |      |      |   |                      |                    |
|-----|------|------|------|---|----------------------|--------------------|-----|------|------|------|---|----------------------|--------------------|
| 397 | 56.5 | 11.3 | 876  | 7 | US-11-649-663A-144   | Sequence 144, App  | 470 | 56   | 11.2 | 1572 | 7 | US-11-649-663A-1326  | Sequence 1326, Ap  |
| 398 | 56.5 | 11.3 | 909  | 7 | US-11-649-663A-1506  | Sequence 1506, Ap  | 471 | 56   | 11.2 | 1710 | 7 | US-11-649-663A-1588  | Sequence 1588, Ap  |
| 399 | 56.5 | 11.3 | 910  | 7 | US-11-649-663A-2232  | Sequence 2232, Ap  | 472 | 56   | 11.2 | 1721 | 7 | US-11-649-663A-968   | Sequence 968, App  |
| 400 | 56.5 | 11.3 | 914  | 6 | US-10-438-246-20354  | Sequence 20354, A  | 473 | 56   | 11.2 | 1761 | 7 | US-11-649-663A-3708  | Sequence 3708, Ap  |
| 401 | 56.5 | 11.3 | 923  | 7 | US-11-649-663A-4314  | Sequence 4314, Ap  | 474 | 56   | 11.2 | 1768 | 7 | US-11-649-663A-1220  | Sequence 1220, Ap  |
| 402 | 56.5 | 11.3 | 978  | 7 | US-11-649-663A-1310  | Sequence 1310, App | 475 | 56   | 11.2 | 1884 | 7 | US-11-649-663A-2588  | Sequence 2588, Ap  |
| 403 | 56.5 | 11.3 | 1042 | 7 | US-11-649-663A-356   | Sequence 356, App  | 476 | 56   | 11.2 | 1919 | 7 | US-11-649-663A-978   | Sequence 978, App  |
| 404 | 56.5 | 11.3 | 1042 | 7 | US-11-649-663A-2500  | Sequence 2500, Ap  | 477 | 56   | 11.2 | 1942 | 7 | US-11-649-663A-1296  | Sequence 1296, Ap  |
| 405 | 56.5 | 11.3 | 1052 | 7 | US-11-649-663A-1750  | Sequence 1750, Ap  | 478 | 56   | 11.2 | 1957 | 7 | US-11-649-663A-2192  | Sequence 2192, Ap  |
| 406 | 56.5 | 11.3 | 1136 | 7 | US-11-649-663A-2400  | Sequence 2400, Ap  | 479 | 56   | 11.2 | 1962 | 7 | US-11-649-663A-1446  | Sequence 1446, Ap  |
| 407 | 56.5 | 11.3 | 1150 | 7 | US-11-713-768-86061  | Sequence 86061, A  | 480 | 56   | 11.2 | 2062 | 7 | US-11-649-663A-1454  | Sequence 1454, Ap  |
| 408 | 56.5 | 11.3 | 1170 | 7 | US-11-713-768-86060  | Sequence 86060, A  | 481 | 56   | 11.2 | 2077 | 7 | US-11-649-663A-778   | Sequence 778, App  |
| 409 | 56.5 | 11.3 | 1190 | 6 | US-10-438-246-19095  | Sequence 19095, A  | 482 | 56   | 11.2 | 2101 | 7 | US-11-649-663A-2010  | Sequence 2010, Ap  |
| 410 | 56.5 | 11.3 | 1304 | 7 | US-11-649-663A-2586  | Sequence 2586, Ap  | 483 | 56   | 11.2 | 2110 | 7 | US-11-649-663A-1564  | Sequence 1564, Ap  |
| 411 | 56.5 | 11.3 | 1305 | 7 | US-11-649-663A-2140  | Sequence 2140, Ap  | 484 | 56   | 11.2 | 2415 | 7 | US-11-649-663A-90    | Sequence 90, Appl  |
| 412 | 56.5 | 11.3 | 1319 | 6 | US-10-438-246-19056  | Sequence 19056, A  | 485 | 56   | 11.2 | 2568 | 7 | US-11-649-663A-722   | Sequence 722, App  |
| 413 | 56.5 | 11.3 | 1337 | 7 | US-11-649-663A-2460  | Sequence 2460, Ap  | 486 | 56   | 11.2 | 2782 | 7 | US-11-625-272-151    | Sequence 151, App  |
| 414 | 56.5 | 11.3 | 1337 | 7 | US-11-649-663A-518   | Sequence 518, App  | 487 | 56   | 11.2 | 5405 | 7 | US-11-625-272-151    | Sequence 151, App  |
| 415 | 56.5 | 11.3 | 1377 | 7 | US-11-649-663A-2196  | Sequence 2196, Ap  | 488 | 55.5 | 11.1 | 42   | 7 | US-11-528-927-571    | Sequence 571, App  |
| 416 | 56.5 | 11.3 | 1408 | 7 | US-11-649-663A-518   | Sequence 518, App  | 489 | 55.5 | 11.1 | 42   | 7 | US-11-528-927-571    | Sequence 571, App  |
| 417 | 56.5 | 11.3 | 1436 | 6 | US-10-438-246-19057  | Sequence 19057, A  | 490 | 55.5 | 11.1 | 97   | 6 | US-10-438-246-32293  | Sequence 32293, A  |
| 418 | 56.5 | 11.3 | 1470 | 7 | US-11-649-663A-710   | Sequence 710, App  | 491 | 55.5 | 11.1 | 183  | 6 | US-10-438-246-32293  | Sequence 32293, A  |
| 419 | 56.5 | 11.3 | 1610 | 7 | US-11-649-663A-1688  | Sequence 1688, Ap  | 492 | 55.5 | 11.1 | 184  | 6 | US-10-767-701-32134  | Sequence 32134, A  |
| 420 | 56.5 | 11.3 | 1617 | 7 | US-11-649-663A-2448  | Sequence 2448, Ap  | 493 | 55.5 | 11.1 | 264  | 7 | US-11-713-768-89430  | Sequence 89430, A  |
| 421 | 56.5 | 11.3 | 1655 | 6 | US-10-438-246-25931  | Sequence 25931, A  | 494 | 55.5 | 11.1 | 264  | 7 | US-11-713-768-93186  | Sequence 93186, A  |
| 422 | 56.5 | 11.3 | 1660 | 7 | US-11-649-663A-2908  | Sequence 2908, Ap  | 495 | 55.5 | 11.1 | 438  | 7 | US-11-649-663A-1434  | Sequence 1434, Ap  |
| 423 | 56.5 | 11.3 | 1685 | 7 | US-11-649-663A-598   | Sequence 598, App  | 496 | 55.5 | 11.1 | 439  | 7 | US-11-713-768-6544   | Sequence 6544, Ap  |
| 424 | 56.5 | 11.3 | 1696 | 7 | US-11-649-663A-3178  | Sequence 3178, App | 497 | 55.5 | 11.1 | 470  | 7 | US-11-713-768-6543   | Sequence 6543, Ap  |
| 425 | 56.5 | 11.3 | 1779 | 7 | US-11-649-663A-1438  | Sequence 1438, Ap  | 498 | 55.5 | 11.1 | 505  | 7 | US-11-713-768-6542   | Sequence 6542, Ap  |
| 426 | 56.5 | 11.3 | 1782 | 7 | US-11-649-663A-1652  | Sequence 1652, Ap  | 499 | 55.5 | 11.1 | 839  | 7 | US-11-649-663A-2580  | Sequence 2580, Ap  |
| 427 | 56.5 | 11.3 | 1788 | 6 | US-10-438-246-19513  | Sequence 19513, A  | 500 | 55.5 | 11.1 | 843  | 6 | US-10-438-246-10849  | Sequence 10849, A  |
| 428 | 56.5 | 11.3 | 1796 | 7 | US-11-649-663A-910   | Sequence 910, App  | 501 | 55.5 | 11.1 | 1005 | 7 | US-11-649-663A-1158  | Sequence 1158, A   |
| 429 | 56.5 | 11.3 | 1814 | 7 | US-11-649-663A-1302  | Sequence 1302, App | 502 | 55.5 | 11.1 | 1015 | 7 | US-11-649-663A-330   | Sequence 330, App  |
| 430 | 56.5 | 11.3 | 1865 | 7 | US-11-649-663A-1078  | Sequence 1078, App | 503 | 55.5 | 11.1 | 1049 | 7 | US-11-649-663A-624   | Sequence 624, App  |
| 431 | 56.5 | 11.3 | 1918 | 7 | US-11-649-663A-692   | Sequence 692, App  | 504 | 55.5 | 11.1 | 1066 | 7 | US-11-649-663A-1402  | Sequence 1402, Ap  |
| 432 | 56.5 | 11.3 | 1933 | 7 | US-11-649-663A-2226  | Sequence 2226, Ap  | 505 | 55.5 | 11.1 | 1098 | 7 | US-11-649-663A-2414  | Sequence 2414, Ap  |
| 433 | 56.5 | 11.3 | 2250 | 7 | US-11-649-663A-1394  | Sequence 1394, Ap  | 506 | 55.5 | 11.1 | 1099 | 7 | US-11-649-663A-1142  | Sequence 1142, Ap  |
| 434 | 56.5 | 11.3 | 2440 | 7 | US-11-649-663A-1294  | Sequence 1294, Ap  | 507 | 55.5 | 11.1 | 1187 | 7 | US-11-649-663A-1142  | Sequence 1142, Ap  |
| 435 | 56.5 | 11.3 | 2773 | 7 | US-11-649-663A-1466  | Sequence 1466, Ap  | 508 | 55.5 | 11.1 | 1212 | 7 | US-11-649-663A-1696  | Sequence 1696, Ap  |
| 436 | 56.5 | 11.3 | 2791 | 7 | US-11-649-663A-2826  | Sequence 2826, Ap  | 509 | 55.5 | 11.1 | 1242 | 7 | US-11-649-663A-1968  | Sequence 1968, Ap  |
| 437 | 56.5 | 11.3 | 3409 | 7 | US-11-257-477-165    | Sequence 165, App  | 510 | 55.5 | 11.1 | 1307 | 7 | US-11-649-663A-4164  | Sequence 4164, Ap  |
| 438 | 56.5 | 11.3 | 4753 | 7 | US-11-673-351-247    | Sequence 247, App  | 511 | 55.5 | 11.1 | 1365 | 7 | US-11-649-663A-2318  | Sequence 2318, Ap  |
| 439 | 56   | 11.2 | 124  | 7 | US-11-713-768-17338  | Sequence 17338, A  | 512 | 55.5 | 11.1 | 1446 | 7 | US-11-649-663A-662   | Sequence 662, App  |
| 440 | 56   | 11.2 | 132  | 7 | US-11-713-768-85437  | Sequence 85437, A  | 513 | 55.5 | 11.1 | 1463 | 7 | US-11-649-663A-1308  | Sequence 1308, Ap  |
| 441 | 56   | 11.2 | 132  | 7 | US-11-713-768-96353  | Sequence 96353, A  | 514 | 55.5 | 11.1 | 1481 | 7 | US-11-649-663A-1162  | Sequence 1162, Ap  |
| 442 | 56   | 11.2 | 163  | 7 | US-11-713-768-85496  | Sequence 85496, A  | 515 | 55.5 | 11.1 | 1487 | 7 | US-11-649-663A-2972  | Sequence 2972, Ap  |
| 443 | 56   | 11.2 | 163  | 7 | US-11-713-768-96352  | Sequence 96352, A  | 516 | 55.5 | 11.1 | 1516 | 7 | US-11-649-663A-4074  | Sequence 4074, Ap  |
| 444 | 56   | 11.2 | 208  | 7 | US-11-713-768-64492  | Sequence 64492, A  | 517 | 55.5 | 11.1 | 1698 | 7 | US-11-649-663A-718   | Sequence 718, App  |
| 445 | 56   | 11.2 | 264  | 7 | US-11-725-235-146    | Sequence 146, App  | 518 | 55.5 | 11.1 | 1713 | 7 | US-11-649-663A-3720  | Sequence 3720, Ap  |
| 446 | 56   | 11.2 | 264  | 7 | US-11-728-567-710    | Sequence 710, App  | 519 | 55.5 | 11.1 | 1741 | 7 | US-11-649-663A-726   | Sequence 726, App  |
| 447 | 56   | 11.2 | 264  | 7 | US-11-713-768-96351  | Sequence 96351, A  | 520 | 55.5 | 11.1 | 1775 | 7 | US-11-649-663A-526   | Sequence 526, App  |
| 448 | 56   | 11.2 | 265  | 7 | US-11-713-768-106290 | Sequence 106290, A | 521 | 55.5 | 11.1 | 1784 | 7 | US-11-649-663A-2856  | Sequence 2856, Ap  |
| 449 | 56   | 11.2 | 270  | 7 | US-11-713-768-106289 | Sequence 106289, A | 522 | 55.5 | 11.1 | 1809 | 7 | US-11-649-663A-2054  | Sequence 2054, Ap  |
| 450 | 56   | 11.2 | 515  | 7 | US-11-360-355-132122 | Sequence 132122, A | 523 | 55.5 | 11.1 | 1832 | 7 | US-11-649-663A-2350  | Sequence 2350, Ap  |
| 451 | 56   | 11.2 | 657  | 7 | US-11-649-663A-512   | Sequence 512, App  | 524 | 55.5 | 11.1 | 1847 | 7 | US-11-649-663A-1242  | Sequence 1242, Ap  |
| 452 | 56   | 11.2 | 754  | 7 | US-11-713-768-81272  | Sequence 81272, A  | 525 | 55.5 | 11.1 | 1951 | 7 | US-11-649-663A-3118  | Sequence 3118, Ap  |
| 453 | 56   | 11.2 | 826  | 7 | US-11-713-768-81271  | Sequence 81271, A  | 526 | 55.5 | 11.1 | 1962 | 7 | US-11-649-663A-998   | Sequence 998, App  |
| 454 | 56   | 11.2 | 849  | 7 | US-11-713-768-81270  | Sequence 81270, A  | 527 | 55.5 | 11.1 | 1973 | 7 | US-11-649-663A-1378  | Sequence 1378, Ap  |
| 455 | 56   | 11.2 | 929  | 7 | US-11-649-663A-3988  | Sequence 3988, Ap  | 528 | 55.5 | 11.1 | 2325 | 7 | US-11-649-663A-5472  | Sequence 5472, Ap  |
| 456 | 56   | 11.2 | 945  | 7 | US-11-649-663A-782   | Sequence 782, App  | 529 | 55.5 | 11.1 | 3658 | 7 | US-11-649-663A-1668  | Sequence 1668, Ap  |
| 457 | 56   | 11.2 | 1050 | 7 | US-11-649-663A-720   | Sequence 720, App  | 530 | 55.5 | 11.1 | 3723 | 7 | US-11-649-663A-2802  | Sequence 2802, Ap  |
| 458 | 56   | 11.2 | 1059 | 7 | US-11-649-663A-1950  | Sequence 1950, App | 531 | 55   | 11.0 | 136  | 7 | US-11-360-355-164877 | Sequence 164877, A |
| 459 | 56   | 11.2 | 1135 | 7 | US-11-649-663A-2204  | Sequence 2204, App | 532 | 55   | 11.0 | 139  | 6 | US-10-787-701-60421  | Sequence 60421, A  |
| 460 | 56   | 11.2 | 1144 | 7 | US-11-649-663A-506   | Sequence 506, App  | 533 | 55   | 11.0 | 156  | 6 | US-10-438-246-6500   | Sequence 6500, Ap  |
| 461 | 56   | 11.2 | 1220 | 7 | US-11-649-663A-1542  | Sequence 1542, Ap  | 534 | 55   | 11.0 | 160  | 7 | US-11-360-355-134059 | Sequence 134059, A |
| 462 | 56   | 11.2 | 1285 | 7 | US-11-649-663A-1124  | Sequence 1124, Ap  | 535 | 55   | 11.0 | 167  | 7 | US-11-360-355-155165 | Sequence 155165, A |
| 463 | 56   | 11.2 | 1299 | 7 | US-11-649-663A-1524  | Sequence 1524, Ap  | 536 | 55   | 11.0 | 176  | 6 | US-10-438-246-16685  | Sequence 16685, A  |
| 464 | 56   | 11.2 | 1403 | 7 | US-11-649-663A-738   | Sequence 738, App  | 537 | 55   | 11.0 | 196  | 6 | US-10-787-701-40420  | Sequence 40420, A  |
| 465 | 56   | 11.2 | 1459 | 7 | US-11-649-663A-1332  | Sequence 1332, Ap  | 538 | 55   | 11.0 | 200  | 6 | US-10-438-246-6484   | Sequence 6484, Ap  |
| 466 | 56   | 11.2 | 1482 | 7 | US-11-649-663A-880   | Sequence 880, App  | 539 | 55   | 11.0 | 201  | 6 | US-10-438-246-6488   | Sequence 6488, Ap  |
| 467 | 56   | 11.2 | 1495 | 7 | US-11-649-663A-1656  | Sequence 1656, Ap  | 541 | 55   | 11.0 | 222  | 7 | US-11-552-437-48     | Sequence 48, Appl  |
| 468 | 56   | 11.2 | 1511 | 7 | US-11-649-663A-1120  | Sequence 1120, Ap  | 542 | 55   | 11.0 | 230  | 6 | US-10-438-246-24892  | Sequence 24892, A  |
| 469 | 56   | 11.2 | 1518 | 7 | US-11-649-663A-742   | Sequence 742, App  | 543 | 55   | 11.0 | 387  | 6 | US-10-438-246-16684  | Sequence 16684, A  |

|     |      |      |      |   |                     |                    |     |      |      |      |   |                      |                    |
|-----|------|------|------|---|---------------------|--------------------|-----|------|------|------|---|----------------------|--------------------|
| 544 | 55   | 11.0 | 387  | 6 | US-10-438-246-24133 | Sequence 24133, A  | 617 | 54.5 | 10.9 | 161  | 6 | US-10-438-246-26350  | Sequence 26350, A  |
| 545 | 55   | 11.0 | 484  | 7 | US-11-713-768-91092 | Sequence 91092, A  | 618 | 54.5 | 10.9 | 216  | 6 | US-10-438-246-25376  | Sequence 25376, A  |
| 546 | 55   | 11.0 | 484  | 7 | US-11-713-768-94848 | Sequence 94848, A  | 619 | 54.5 | 10.9 | 221  | 7 | US-11-360-355-135854 | Sequence 135854, A |
| 547 | 55   | 11.0 | 485  | 7 | US-11-713-768-91091 | Sequence 91091, A  | 620 | 54.5 | 10.9 | 259  | 6 | US-10-551-004-45     | Sequence 45, Appl  |
| 548 | 55   | 11.0 | 485  | 7 | US-11-713-768-94847 | Sequence 94847, A  | 621 | 54.5 | 10.9 | 259  | 7 | US-11-537-235-300    | Sequence 300, Appl |
| 549 | 55   | 11.0 | 486  | 7 | US-11-713-768-91090 | Sequence 91090, A  | 622 | 54.5 | 10.9 | 259  | 7 | US-11-537-235-300    | Sequence 300, Appl |
| 550 | 55   | 11.0 | 486  | 7 | US-11-713-768-94846 | Sequence 94846, A  | 623 | 54.5 | 10.9 | 282  | 6 | US-10-553-810-300    | Sequence 1230, Ap  |
| 551 | 55   | 11.0 | 587  | 7 | US-11-713-768-43888 | Sequence 43888, A  | 624 | 54.5 | 10.9 | 282  | 6 | US-10-529-351A-5217  | Sequence 5217, Ap  |
| 552 | 55   | 11.0 | 618  | 6 | US-10-529-351A-5433 | Sequence 5433, Ap  | 625 | 54.5 | 10.9 | 282  | 7 | US-11-537-235-312    | Sequence 312, Appl |
| 553 | 55   | 11.0 | 619  | 7 | US-11-649-663A-522  | Sequence 522, Appl | 626 | 54.5 | 10.9 | 282  | 7 | US-11-553-810-312    | Sequence 312, Appl |
| 554 | 55   | 11.0 | 642  | 7 | US-11-112-327-11    | Sequence 11043, A  | 627 | 54.5 | 10.9 | 305  | 7 | US-11-713-768-56489  | Sequence 56489, A  |
| 555 | 55   | 11.0 | 794  | 7 | US-11-713-768-45043 | Sequence 45043, A  | 628 | 54.5 | 10.9 | 356  | 7 | US-11-713-768-56488  | Sequence 56488, A  |
| 556 | 55   | 11.0 | 794  | 7 | US-11-713-768-45791 | Sequence 45791, A  | 629 | 54.5 | 10.9 | 371  | 7 | US-11-713-768-56487  | Sequence 56487, A  |
| 557 | 55   | 11.0 | 794  | 7 | US-11-713-768-46386 | Sequence 46386, A  | 630 | 54.5 | 10.9 | 802  | 7 | US-11-649-663A-5486  | Sequence 5486, Ap  |
| 558 | 55   | 11.0 | 795  | 7 | US-11-649-663A-1856 | Sequence 1856, Ap  | 631 | 54.5 | 10.9 | 869  | 7 | US-11-649-663A-1938  | Sequence 1938, Ap  |
| 559 | 55   | 11.0 | 853  | 7 | US-11-713-768-45042 | Sequence 45042, A  | 632 | 54.5 | 10.9 | 879  | 7 | US-11-649-663A-1484  | Sequence 1484, Ap  |
| 560 | 55   | 11.0 | 853  | 7 | US-11-713-768-45790 | Sequence 45790, A  | 633 | 54.5 | 10.9 | 891  | 7 | US-11-649-663A-1484  | Sequence 1484, Ap  |
| 561 | 55   | 11.0 | 853  | 7 | US-11-713-768-46385 | Sequence 46385, A  | 634 | 54.5 | 10.9 | 1043 | 6 | US-10-438-246-33504  | Sequence 33504, A  |
| 562 | 55   | 11.0 | 856  | 7 | US-11-713-768-45041 | Sequence 45041, A  | 635 | 54.5 | 10.9 | 1061 | 7 | US-11-649-663A-328   | Sequence 328, Appl |
| 563 | 55   | 11.0 | 856  | 7 | US-11-713-768-45789 | Sequence 45789, A  | 636 | 54.5 | 10.9 | 1151 | 7 | US-11-649-663A-556   | Sequence 556, Appl |
| 564 | 55   | 11.0 | 856  | 7 | US-11-713-768-46384 | Sequence 46384, A  | 637 | 54.5 | 10.9 | 1170 | 7 | US-11-649-663A-1300  | Sequence 1300, Ap  |
| 565 | 55   | 11.0 | 987  | 7 | US-11-649-663A-236  | Sequence 236, Appl | 638 | 54.5 | 10.9 | 1177 | 7 | US-11-649-663A-884   | Sequence 884, Appl |
| 566 | 55   | 11.0 | 1017 | 7 | US-11-649-663A-3140 | Sequence 3140, Ap  | 639 | 54.5 | 10.9 | 1195 | 7 | US-11-649-663A-2420  | Sequence 2420, Ap  |
| 567 | 55   | 11.0 | 1036 | 7 | US-11-234-694-104   | Sequence 104, Appl | 640 | 54.5 | 10.9 | 1199 | 7 | US-11-649-663A-392   | Sequence 392, Appl |
| 568 | 55   | 11.0 | 1038 | 7 | US-11-633-858-230   | Sequence 230, Appl | 641 | 54.5 | 10.9 | 1201 | 7 | US-11-649-663A-2186  | Sequence 2186, Ap  |
| 569 | 55   | 11.0 | 1047 | 7 | US-11-649-663A-1534 | Sequence 1534, Ap  | 642 | 54.5 | 10.9 | 1218 | 6 | US-10-594-211-169    | Sequence 169, Appl |
| 570 | 55   | 11.0 | 1069 | 7 | US-11-649-663A-1228 | Sequence 1228, Ap  | 643 | 54.5 | 10.9 | 1218 | 6 | US-10-594-211-245    | Sequence 245, Appl |
| 571 | 55   | 11.0 | 1073 | 7 | US-11-649-663A-1312 | Sequence 1312, Ap  | 644 | 54.5 | 10.9 | 1218 | 6 | US-10-594-211-252    | Sequence 252, Appl |
| 572 | 55   | 11.0 | 1076 | 7 | US-11-537-235-219   | Sequence 219, Appl | 645 | 54.5 | 10.9 | 1218 | 7 | US-11-625-272-154    | Sequence 154, Appl |
| 573 | 55   | 11.0 | 1076 | 7 | US-11-553-810-219   | Sequence 219, Appl | 646 | 54.5 | 10.9 | 1218 | 7 | US-11-633-858-194    | Sequence 194, Appl |
| 574 | 55   | 11.0 | 1117 | 7 | US-11-649-663A-1458 | Sequence 1458, Ap  | 647 | 54.5 | 10.9 | 1224 | 7 | US-11-649-663A-1958  | Sequence 1958, Ap  |
| 575 | 55   | 11.0 | 1143 | 7 | US-11-649-663A-492  | Sequence 492, Appl | 648 | 54.5 | 10.9 | 1242 | 7 | US-11-649-663A-1616  | Sequence 1616, Ap  |
| 576 | 55   | 11.0 | 1263 | 7 | US-11-649-663A-1290 | Sequence 1290, Ap  | 649 | 54.5 | 10.9 | 1244 | 7 | US-11-649-663A-368   | Sequence 368, Appl |
| 577 | 55   | 11.0 | 1268 | 7 | US-11-649-663A-744  | Sequence 744, Appl | 650 | 54.5 | 10.9 | 1270 | 7 | US-11-649-663A-444   | Sequence 444, Appl |
| 578 | 55   | 11.0 | 1296 | 7 | US-11-649-663A-750  | Sequence 750, Appl | 651 | 54.5 | 10.9 | 1287 | 7 | US-11-649-663A-444   | Sequence 444, Appl |
| 579 | 55   | 11.0 | 1322 | 7 | US-11-649-663A-592  | Sequence 592, Appl | 652 | 54.5 | 10.9 | 1362 | 7 | US-11-649-663A-1772  | Sequence 1772, Ap  |
| 580 | 55   | 11.0 | 1333 | 7 | US-11-649-663A-1258 | Sequence 1258, Ap  | 653 | 54.5 | 10.9 | 1403 | 7 | US-11-649-663A-448   | Sequence 448, Appl |
| 581 | 55   | 11.0 | 1348 | 7 | US-11-649-663A-2452 | Sequence 2452, Ap  | 654 | 54.5 | 10.9 | 1407 | 7 | US-11-649-663A-464   | Sequence 464, Appl |
| 582 | 55   | 11.0 | 1359 | 7 | US-11-649-663A-3586 | Sequence 3586, Ap  | 655 | 54.5 | 10.9 | 1408 | 7 | US-11-649-663A-2510  | Sequence 2510, Ap  |
| 583 | 55   | 11.0 | 1424 | 7 | US-11-649-663A-504  | Sequence 504, Appl | 656 | 54.5 | 10.9 | 1416 | 7 | US-11-649-663A-1480  | Sequence 1480, Ap  |
| 584 | 55   | 11.0 | 1424 | 7 | US-11-649-663A-2542 | Sequence 2542, Ap  | 657 | 54.5 | 10.9 | 1434 | 7 | US-11-649-663A-1194  | Sequence 1194, Ap  |
| 585 | 55   | 11.0 | 1431 | 7 | US-11-649-663A-1112 | Sequence 1112, Ap  | 658 | 54.5 | 10.9 | 1459 | 7 | US-11-649-663A-3196  | Sequence 3196, Ap  |
| 586 | 55   | 11.0 | 1442 | 7 | US-11-649-663A-1084 | Sequence 1084, Ap  | 659 | 54.5 | 10.9 | 1507 | 7 | US-11-649-663A-494   | Sequence 494, Appl |
| 587 | 55   | 11.0 | 1448 | 7 | US-11-649-663A-2194 | Sequence 2194, Ap  | 660 | 54.5 | 10.9 | 1614 | 7 | US-11-649-663A-2476  | Sequence 2476, Ap  |
| 588 | 55   | 11.0 | 1459 | 7 | US-11-649-663A-1350 | Sequence 1350, Ap  | 661 | 54.5 | 10.9 | 1618 | 7 | US-11-649-663A-484   | Sequence 484, Appl |
| 589 | 55   | 11.0 | 1471 | 7 | US-11-649-663A-2316 | Sequence 2316, Ap  | 662 | 54.5 | 10.9 | 1628 | 7 | US-11-649-663A-2748  | Sequence 2748, Ap  |
| 590 | 55   | 11.0 | 1473 | 7 | US-11-649-663A-1486 | Sequence 1486, Ap  | 663 | 54.5 | 10.9 | 1633 | 7 | US-11-649-663A-2406  | Sequence 2406, Ap  |
| 591 | 55   | 11.0 | 1476 | 7 | US-11-649-663A-972  | Sequence 972, Appl | 664 | 54.5 | 10.9 | 1713 | 7 | US-11-649-663A-1752  | Sequence 1752, Ap  |
| 592 | 55   | 11.0 | 1482 | 7 | US-11-649-663A-1804 | Sequence 1804, Ap  | 665 | 54.5 | 10.9 | 1730 | 7 | US-11-649-663A-5198  | Sequence 5198, Ap  |
| 593 | 55   | 11.0 | 1486 | 7 | US-11-649-663A-684  | Sequence 684, Appl | 666 | 54.5 | 10.9 | 1753 | 7 | US-11-649-663A-802   | Sequence 802, Appl |
| 594 | 55   | 11.0 | 1486 | 7 | US-11-649-663A-2236 | Sequence 2236, Ap  | 667 | 54.5 | 10.9 | 1757 | 6 | US-10-438-246-19207  | Sequence 19207, A  |
| 595 | 55   | 11.0 | 1523 | 7 | US-11-649-663A-786  | Sequence 786, Appl | 668 | 54.5 | 10.9 | 1783 | 7 | US-11-649-663A-1440  | Sequence 1440, Ap  |
| 596 | 55   | 11.0 | 1530 | 7 | US-11-649-663A-854  | Sequence 854, Appl | 669 | 54.5 | 10.9 | 1786 | 7 | US-11-649-663A-602   | Sequence 602, Appl |
| 597 | 55   | 11.0 | 1587 | 7 | US-11-649-663A-2652 | Sequence 2652, Ap  | 670 | 54.5 | 10.9 | 1805 | 6 | US-10-438-246-19228  | Sequence 19228, A  |
| 598 | 55   | 11.0 | 1592 | 7 | US-11-649-663A-5088 | Sequence 5088, Ap  | 671 | 54.5 | 10.9 | 1806 | 6 | US-10-438-246-25826  | Sequence 25826, A  |
| 599 | 55   | 11.0 | 1601 | 7 | US-11-649-663A-2364 | Sequence 2364, Ap  | 672 | 54.5 | 10.9 | 1917 | 7 | US-11-649-663A-2172  | Sequence 2172, A   |
| 600 | 55   | 11.0 | 1611 | 7 | US-11-649-663A-2234 | Sequence 2234, Ap  | 673 | 54.5 | 10.9 | 2148 | 7 | US-11-649-663A-2000  | Sequence 2000, Ap  |
| 601 | 55   | 11.0 | 1611 | 7 | US-11-649-663A-2552 | Sequence 2552, Ap  | 674 | 54.5 | 10.9 | 2337 | 7 | US-11-649-663A-1868  | Sequence 1868, Ap  |
| 602 | 55   | 11.0 | 1629 | 7 | US-11-649-663A-2828 | Sequence 2828, Ap  | 675 | 54.5 | 10.9 | 2433 | 7 | US-11-649-663A-1618  | Sequence 1618, Ap  |
| 603 | 55   | 11.0 | 1655 | 7 | US-11-649-663A-962  | Sequence 962, Appl | 676 | 54.5 | 10.9 | 2647 | 6 | US-10-594-211-224    | Sequence 224, Appl |
| 604 | 55   | 11.0 | 1665 | 7 | US-11-649-663A-1726 | Sequence 1726, Ap  | 677 | 54.5 | 10.9 | 2647 | 6 | US-10-594-211-225    | Sequence 225, Appl |
| 605 | 55   | 11.0 | 1680 | 7 | US-11-649-663A-712  | Sequence 712, Appl | 678 | 54.5 | 10.9 | 2647 | 6 | US-10-594-211-235    | Sequence 235, Appl |
| 606 | 55   | 11.0 | 1696 | 7 | US-11-649-663A-1464 | Sequence 1464, Ap  | 679 | 54.5 | 10.9 | 2647 | 7 | US-11-625-272-182    | Sequence 182, Appl |
| 607 | 55   | 11.0 | 1740 | 7 | US-11-649-663A-1390 | Sequence 1390, Ap  | 680 | 54.5 | 10.9 | 2762 | 7 | US-11-649-663A-2672  | Sequence 2672, Ap  |
| 608 | 55   | 11.0 | 1818 | 7 | US-11-649-663A-2842 | Sequence 2842, Ap  | 681 | 54.5 | 10.9 | 2973 | 7 | US-11-649-663A-1754  | Sequence 1754, Ap  |
| 609 | 55   | 11.0 | 1964 | 7 | US-11-649-663A-4458 | Sequence 4458, Ap  | 682 | 54.5 | 10.9 | 3018 | 7 | US-11-649-663A-1996  | Sequence 1996, Ap  |
| 610 | 55   | 11.0 | 2003 | 7 | US-11-649-663A-5496 | Sequence 5496, Ap  | 683 | 54   | 10.8 | 48   | 7 | US-11-528-927-307    | Sequence 307, Appl |
| 611 | 55   | 11.0 | 2085 | 7 | US-11-649-663A-954  | Sequence 954, Appl | 684 | 54   | 10.8 | 48   | 7 | US-11-528-950-307    | Sequence 307, Appl |
| 612 | 55   | 11.0 | 2384 | 7 | US-11-649-663A-1740 | Sequence 1740, Ap  | 685 | 54   | 10.8 | 99   | 6 | US-10-767-701-57968  | Sequence 57968, A  |
| 613 | 55   | 11.0 | 2757 | 7 | US-11-649-663A-1642 | Sequence 1642, Ap  | 686 | 54   | 10.8 | 116  | 7 | US-11-689-173-11222  | Sequence 11222, A  |
| 614 | 55   | 11.0 | 3291 | 7 | US-11-649-663A-2666 | Sequence 2666, Ap  | 687 | 54   | 10.8 | 116  | 7 | US-11-689-173-11223  | Sequence 11223, A  |
| 615 | 55   | 11.0 | 3312 | 6 | US-10-529-351A-1133 | Sequence 1133, Ap  | 688 | 54   | 10.8 | 116  | 7 | US-11-689-173-11224  | Sequence 11224, A  |
| 616 | 54.5 | 10.9 | 123  | 6 | US-10-767-701-48946 | Sequence 48946, A  | 689 | 54   | 10.8 | 132  | 6 | US-10-529-351A-5782  | Sequence 5782, Ap  |

|     |      |      |   |                      |                    |     |      |      |      |   |                     |                   |
|-----|------|------|---|----------------------|--------------------|-----|------|------|------|---|---------------------|-------------------|
| 690 | 10.8 | 132  | 7 | US-11-699-229-63     | Sequence 63, Appl  | 763 | 54   | 10.8 | 1648 | 7 | US-11-649-663A-670  | Sequence 670, App |
| 691 | 10.8 | 132  | 7 | US-11-403-116-1221   | Sequence 1221, Ap  | 764 | 54   | 10.8 | 1659 | 7 | US-11-649-663A-984  | Sequence 984, App |
| 692 | 10.8 | 143  | 7 | US-11-713-768-25639  | Sequence 25639, A  | 765 | 54   | 10.8 | 1669 | 7 | US-11-649-663A-1758 | Sequence 1758, Ap |
| 693 | 10.8 | 147  | 6 | US-10-438-246-18310  | Sequence 18310, A  | 766 | 54   | 10.8 | 1686 | 7 | US-11-649-663A-866  | Sequence 866, App |
| 694 | 10.8 | 162  | 6 | US-10-767-701-34897  | Sequence 34897, A  | 767 | 54   | 10.8 | 1753 | 7 | US-11-649-663A-1222 | Sequence 1222, Ap |
| 695 | 10.8 | 183  | 7 | US-11-713-768-109320 | Sequence 109320, A | 768 | 54   | 10.8 | 1761 | 7 | US-11-649-663A-1306 | Sequence 1306, Ap |
| 696 | 10.8 | 186  | 6 | US-10-438-246-33422  | Sequence 33422, A  | 769 | 54   | 10.8 | 1762 | 7 | US-11-649-663A-2674 | Sequence 2674, Ap |
| 697 | 10.8 | 195  | 6 | US-10-438-246-9719   | Sequence 9719, Ap  | 770 | 54   | 10.8 | 1763 | 7 | US-11-649-663A-2112 | Sequence 2112, Ap |
| 698 | 10.8 | 209  | 7 | US-11-360-355-133807 | Sequence 133807, A | 771 | 54   | 10.8 | 1766 | 7 | US-11-649-663A-5194 | Sequence 5194, Ap |
| 699 | 10.8 | 216  | 7 | US-11-713-768-109319 | Sequence 109319, A | 772 | 54   | 10.8 | 1767 | 7 | US-11-649-663A-1944 | Sequence 1944, Ap |
| 700 | 10.8 | 224  | 7 | US-11-713-768-109318 | Sequence 109318, A | 773 | 54   | 10.8 | 1771 | 7 | US-11-649-663A-928  | Sequence 928, App |
| 701 | 10.8 | 280  | 7 | US-11-713-768-74373  | Sequence 74373, A  | 774 | 54   | 10.8 | 1782 | 7 | US-11-649-663A-1774 | Sequence 1774, Ap |
| 702 | 10.8 | 280  | 7 | US-11-713-768-107866 | Sequence 107866, A | 775 | 54   | 10.8 | 1785 | 7 | US-11-649-663A-1192 | Sequence 1192, Ap |
| 703 | 10.8 | 281  | 7 | US-11-713-768-74372  | Sequence 74372, A  | 776 | 54   | 10.8 | 1792 | 7 | US-11-649-663A-586  | Sequence 586, App |
| 704 | 10.8 | 281  | 7 | US-11-713-768-107865 | Sequence 107865, A | 777 | 54   | 10.8 | 1818 | 7 | US-11-649-663A-732  | Sequence 732, App |
| 705 | 10.8 | 281  | 7 | US-11-360-355-133206 | Sequence 133206, A | 778 | 54   | 10.8 | 1818 | 7 | US-11-649-663A-1744 | Sequence 1744, Ap |
| 706 | 10.8 | 322  | 7 | US-11-713-768-107864 | Sequence 107864, A | 779 | 54   | 10.8 | 1861 | 7 | US-11-649-663A-4320 | Sequence 4320, Ap |
| 707 | 10.8 | 323  | 7 | US-11-713-768-107864 | Sequence 107864, A | 780 | 54   | 10.8 | 1868 | 7 | US-11-649-663A-846  | Sequence 846, App |
| 708 | 10.8 | 516  | 7 | US-11-649-663A-2272  | Sequence 2272, Ap  | 781 | 54   | 10.8 | 1873 | 7 | US-11-649-663A-1358 | Sequence 1358, Ap |
| 709 | 10.8 | 621  | 7 | US-11-537-235-40     | Sequence 40, Appl  | 782 | 54   | 10.8 | 2010 | 7 | US-11-649-663A-530  | Sequence 530, App |
| 710 | 10.8 | 621  | 7 | US-11-537-235-40     | Sequence 40, Appl  | 783 | 54   | 10.8 | 2180 | 7 | US-11-649-663A-206  | Sequence 206, App |
| 711 | 10.8 | 721  | 7 | US-11-537-235-40     | Sequence 40, Appl  | 784 | 54   | 10.8 | 3183 | 7 | US-11-649-663A-1722 | Sequence 1722, Ap |
| 712 | 10.8 | 732  | 6 | US-10-581-008-8      | Sequence 8, Appl   | 785 | 54   | 10.8 | 4243 | 7 | US-11-649-663A-1722 | Sequence 1722, Ap |
| 713 | 10.8 | 732  | 6 | US-10-529-351A-5932  | Sequence 5932, Ap  | 786 | 53.5 | 10.7 | 205  | 6 | US-10-767-701-59788 | Sequence 59788, A |
| 714 | 10.8 | 732  | 6 | US-11-730-664-2      | Sequence 2, Appl   | 787 | 53.5 | 10.7 | 229  | 6 | US-10-767-701-42171 | Sequence 42171, A |
| 715 | 10.8 | 770  | 7 | US-11-713-768-75353  | Sequence 75253, A  | 788 | 53.5 | 10.7 | 229  | 6 | US-11-257-477-25    | Sequence 25, Appl |
| 716 | 10.8 | 770  | 7 | US-11-713-768-103525 | Sequence 103525, A | 789 | 53.5 | 10.7 | 291  | 7 | US-11-713-768-55600 | Sequence 55600, A |
| 717 | 10.8 | 931  | 7 | US-11-649-663A-2082  | Sequence 2082, Ap  | 790 | 53.5 | 10.7 | 291  | 7 | US-11-713-768-55599 | Sequence 55599, A |
| 718 | 10.8 | 936  | 7 | US-11-649-663A-4702  | Sequence 4702, Ap  | 791 | 53.5 | 10.7 | 303  | 7 | US-11-713-768-55598 | Sequence 55598, A |
| 719 | 10.8 | 936  | 7 | US-11-649-663A-1470  | Sequence 1470, Ap  | 792 | 53.5 | 10.7 | 303  | 7 | US-11-537-235-296   | Sequence 296, App |
| 720 | 10.8 | 1039 | 7 | US-11-713-768-75252  | Sequence 75252, A  | 793 | 53.5 | 10.7 | 353  | 7 | US-11-537-235-296   | Sequence 296, App |
| 721 | 10.8 | 1044 | 7 | US-11-713-768-75251  | Sequence 75251, A  | 794 | 53.5 | 10.7 | 353  | 7 | US-11-537-235-296   | Sequence 296, App |
| 722 | 10.8 | 1044 | 7 | US-11-713-768-103524 | Sequence 103524, A | 795 | 53.5 | 10.7 | 513  | 7 | US-11-542-670-53    | Sequence 53, Appl |
| 723 | 10.8 | 1049 | 7 | US-11-713-768-103523 | Sequence 103523, A | 796 | 53.5 | 10.7 | 565  | 7 | US-11-542-670-53    | Sequence 53, Appl |
| 724 | 10.8 | 1077 | 7 | US-11-649-663A-1630  | Sequence 1630, Ap  | 797 | 53.5 | 10.7 | 565  | 7 | US-11-542-670-53    | Sequence 53, Appl |
| 725 | 10.8 | 1108 | 7 | US-11-649-663A-1122  | Sequence 1122, Ap  | 798 | 53.5 | 10.7 | 578  | 7 | US-11-649-663A-4104 | Sequence 4104, Ap |
| 726 | 10.8 | 1136 | 7 | US-11-649-663A-2504  | Sequence 2504, Ap  | 799 | 53.5 | 10.7 | 831  | 7 | US-11-649-663A-2446 | Sequence 2446, Ap |
| 727 | 10.8 | 1146 | 7 | US-11-649-663A-84    | Sequence 84, Appl  | 800 | 53.5 | 10.7 | 863  | 7 | US-11-445-001-86    | Sequence 86, Appl |
| 728 | 10.8 | 1146 | 7 | US-11-649-663A-2372  | Sequence 2372, Ap  | 801 | 53.5 | 10.7 | 871  | 7 | US-11-445-001-86    | Sequence 86, Appl |
| 729 | 10.8 | 1167 | 7 | US-11-649-663A-2734  | Sequence 2734, Ap  | 802 | 53.5 | 10.7 | 873  | 7 | US-11-649-663A-1072 | Sequence 1072, Ap |
| 730 | 10.8 | 1206 | 7 | US-11-649-663A-916   | Sequence 916, App  | 803 | 53.5 | 10.7 | 907  | 7 | US-11-649-663A-1040 | Sequence 1040, Ap |
| 731 | 10.8 | 1209 | 7 | US-11-649-663A-360   | Sequence 360, App  | 804 | 53.5 | 10.7 | 979  | 7 | US-11-810-968-55    | Sequence 55, Appl |
| 732 | 10.8 | 1209 | 7 | US-11-649-663A-2564  | Sequence 2564, Ap  | 805 | 53.5 | 10.7 | 979  | 7 | US-11-810-968-55    | Sequence 55, Appl |
| 733 | 10.8 | 1217 | 7 | US-11-649-663A-4324  | Sequence 4324, Ap  | 806 | 53.5 | 10.7 | 987  | 6 | US-10-438-246-25923 | Sequence 25923, A |
| 734 | 10.8 | 1220 | 7 | US-11-649-663A-1044  | Sequence 1044, Ap  | 807 | 53.5 | 10.7 | 1003 | 7 | US-11-649-663A-2592 | Sequence 2592, Ap |
| 735 | 10.8 | 1221 | 7 | US-11-649-663A-1260  | Sequence 1260, Ap  | 808 | 53.5 | 10.7 | 1003 | 7 | US-11-510-314-4     | Sequence 4, Appl  |
| 736 | 10.8 | 1250 | 7 | US-11-649-663A-1888  | Sequence 1888, Ap  | 809 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 737 | 10.8 | 1251 | 7 | US-11-649-663A-426   | Sequence 426, App  | 810 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 738 | 10.8 | 1288 | 7 | US-11-403-116-1110   | Sequence 1110, Ap  | 811 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 739 | 10.8 | 1292 | 7 | US-11-649-663A-1736  | Sequence 1736, Ap  | 812 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 740 | 10.8 | 1293 | 7 | US-11-649-663A-824   | Sequence 824, App  | 813 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 741 | 10.8 | 1296 | 7 | US-11-649-663A-2080  | Sequence 2080, Ap  | 814 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 742 | 10.8 | 1303 | 7 | US-11-649-663A-1570  | Sequence 1570, Ap  | 815 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 743 | 10.8 | 1314 | 7 | US-11-649-663A-736   | Sequence 736, App  | 816 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 744 | 10.8 | 1324 | 7 | US-11-649-663A-1210  | Sequence 1210, Ap  | 817 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 745 | 10.8 | 1326 | 7 | US-11-649-663A-1514  | Sequence 1514, Ap  | 818 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 746 | 10.8 | 1335 | 7 | US-11-649-663A-3964  | Sequence 3964, Ap  | 819 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 747 | 10.8 | 1346 | 7 | US-11-649-663A-3122  | Sequence 3122, Ap  | 820 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 748 | 10.8 | 1367 | 7 | US-11-649-663A-510   | Sequence 510, App  | 821 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 749 | 10.8 | 1370 | 7 | US-11-649-663A-858   | Sequence 858, App  | 822 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 750 | 10.8 | 1370 | 7 | US-11-649-663A-2134  | Sequence 2134, Ap  | 823 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 751 | 10.8 | 1388 | 7 | US-11-649-663A-1842  | Sequence 1842, Ap  | 824 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 752 | 10.8 | 1391 | 7 | US-11-649-663A-566   | Sequence 566, App  | 825 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 753 | 10.8 | 1391 | 7 | US-11-649-663A-566   | Sequence 566, App  | 826 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 754 | 10.8 | 1439 | 7 | US-11-649-663A-3364  | Sequence 3364, Ap  | 827 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 755 | 10.8 | 1452 | 7 | US-11-649-663A-38    | Sequence 38, Appl  | 828 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 756 | 10.8 | 1480 | 7 | US-11-649-663A-752   | Sequence 752, App  | 829 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 757 | 10.8 | 1522 | 7 | US-11-649-663A-3906  | Sequence 3906, Ap  | 830 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 758 | 10.8 | 1524 | 7 | US-11-649-663A-2656  | Sequence 2656, Ap  | 831 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 759 | 10.8 | 1532 | 7 | US-11-649-663A-2324  | Sequence 2324, Ap  | 832 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 760 | 10.8 | 1538 | 7 | US-11-649-663A-2654  | Sequence 2654, Ap  | 833 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 761 | 10.8 | 1605 | 7 | US-11-649-663A-1410  | Sequence 1410, Ap  | 834 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |
| 762 | 10.8 | 1610 | 7 | US-11-649-663A-1472  | Sequence 1472, Ap  | 835 | 53.5 | 10.7 | 1124 | 7 | US-11-633-858-181   | Sequence 181, App |

|     |      |      |      |   |                      |                    |     |      |      |      |   |                      |                    |
|-----|------|------|------|---|----------------------|--------------------|-----|------|------|------|---|----------------------|--------------------|
| 837 | 53.5 | 10.7 | 1576 | 7 | US-11-649-663A-2886  | Sequence 2886, Ap  | 910 | 53   | 10.6 | 1152 | 7 | US-11-649-663A-2712  | Sequence 2712, Ap  |
| 838 | 53.5 | 10.7 | 1619 | 7 | US-11-649-663A-2228  | Sequence 2228, Ap  | 911 | 53   | 10.6 | 1159 | 7 | US-11-649-663A-1666  | Sequence 1666, Ap  |
| 839 | 53.5 | 10.7 | 1626 | 6 | US-10-481-700-12     | Sequence 12, Appl  | 912 | 53   | 10.6 | 1160 | 7 | US-11-649-663A-2370  | Sequence 2370, Ap  |
| 840 | 53.5 | 10.7 | 1659 | 7 | US-11-649-663A-3630  | Sequence 3630, Ap  | 913 | 53   | 10.6 | 1162 | 7 | US-11-649-663A-2244  | Sequence 2244, Ap  |
| 841 | 53.5 | 10.7 | 1659 | 7 | US-11-649-663A-3630  | Sequence 3630, Ap  | 914 | 53   | 10.6 | 1164 | 7 | US-11-649-663A-338   | Sequence 338, Ap   |
| 842 | 53.5 | 10.7 | 1668 | 6 | US-10-481-700-7      | Sequence 7, Appl   | 915 | 53   | 10.6 | 1182 | 7 | US-11-649-663A-1872  | Sequence 1872, Ap  |
| 843 | 53.5 | 10.7 | 1679 | 6 | US-10-481-700-11     | Sequence 11, Appl  | 916 | 53   | 10.6 | 1192 | 7 | US-11-649-663A-2814  | Sequence 2814, Ap  |
| 844 | 53.5 | 10.7 | 1691 | 7 | US-11-649-663A-762   | Sequence 762, Ap   | 917 | 53   | 10.6 | 1194 | 7 | US-11-649-663A-5030  | Sequence 5030, Ap  |
| 845 | 53.5 | 10.7 | 1721 | 6 | US-10-481-700-10     | Sequence 10, Appl  | 918 | 53   | 10.6 | 1209 | 7 | US-11-649-663A-4384  | Sequence 4384, Ap  |
| 846 | 53.5 | 10.7 | 1721 | 7 | US-11-649-663A-3508  | Sequence 3508, Ap  | 919 | 53   | 10.6 | 1220 | 7 | US-11-649-663A-2330  | Sequence 2330, Ap  |
| 847 | 53.5 | 10.7 | 1728 | 6 | US-10-438-246-19148  | Sequence 19148, A  | 920 | 53   | 10.6 | 1250 | 7 | US-11-649-663A-1204  | Sequence 1204, Ap  |
| 848 | 53.5 | 10.7 | 1746 | 7 | US-11-649-663A-2742  | Sequence 2742, A   | 921 | 53   | 10.6 | 1257 | 7 | US-11-649-663A-24    | Sequence 24, Appl  |
| 849 | 53.5 | 10.7 | 1753 | 7 | US-11-649-663A-1198  | Sequence 1198, Ap  | 922 | 53   | 10.6 | 1267 | 7 | US-11-649-663A-868   | Sequence 868, Ap   |
| 850 | 53.5 | 10.7 | 1791 | 6 | US-10-438-246-19113  | Sequence 19113, A  | 923 | 53   | 10.6 | 1270 | 7 | US-11-649-663A-2730  | Sequence 2730, Ap  |
| 851 | 53.5 | 10.7 | 1791 | 6 | US-10-438-246-25933  | Sequence 25933, A  | 924 | 53   | 10.6 | 1282 | 7 | US-11-649-663A-1140  | Sequence 1140, Ap  |
| 852 | 53.5 | 10.7 | 1794 | 6 | US-10-438-246-25960  | Sequence 25960, A  | 925 | 53   | 10.6 | 1283 | 7 | US-11-649-663A-578   | Sequence 578, Ap   |
| 853 | 53.5 | 10.7 | 1799 | 6 | US-10-438-246-19135  | Sequence 19135, A  | 926 | 53   | 10.6 | 1315 | 7 | US-11-649-663A-610   | Sequence 610, Ap   |
| 854 | 53.5 | 10.7 | 1799 | 6 | US-10-438-246-25936  | Sequence 25936, A  | 927 | 53   | 10.6 | 1323 | 7 | US-11-649-663A-1734  | Sequence 1734, Ap  |
| 855 | 53.5 | 10.7 | 1802 | 6 | US-10-438-246-19218  | Sequence 19218, A  | 928 | 53   | 10.6 | 1325 | 7 | US-11-649-663A-450   | Sequence 450, Ap   |
| 856 | 53.5 | 10.7 | 1806 | 6 | US-10-438-246-25930  | Sequence 25930, A  | 929 | 53   | 10.6 | 1336 | 7 | US-11-649-663A-532   | Sequence 532, Ap   |
| 857 | 53.5 | 10.7 | 1831 | 7 | US-11-649-663A-1034  | Sequence 1034, Ap  | 930 | 53   | 10.6 | 1345 | 7 | US-11-649-663A-1146  | Sequence 1146, Ap  |
| 858 | 53.5 | 10.7 | 1848 | 7 | US-11-649-663A-1372  | Sequence 1372, Ap  | 931 | 53   | 10.6 | 1345 | 7 | US-11-649-663A-2572  | Sequence 2572, Ap  |
| 859 | 53.5 | 10.7 | 1880 | 7 | US-11-649-663A-2102  | Sequence 2102, Ap  | 932 | 53   | 10.6 | 1348 | 7 | US-11-649-663A-354   | Sequence 354, Ap   |
| 860 | 53.5 | 10.7 | 2013 | 7 | US-11-649-663A-1236  | Sequence 1236, Ap  | 933 | 53   | 10.6 | 1351 | 7 | US-11-649-663A-2808  | Sequence 2808, Ap  |
| 861 | 53.5 | 10.7 | 2175 | 7 | US-11-649-663A-2008  | Sequence 2008, Ap  | 934 | 53   | 10.6 | 1368 | 7 | US-11-649-663A-116   | Sequence 116, Ap   |
| 862 | 53.5 | 10.7 | 2196 | 7 | US-11-536-461-122    | Sequence 122, Ap   | 935 | 53   | 10.6 | 1375 | 7 | US-11-649-663A-2276  | Sequence 2276, Ap  |
| 863 | 53.5 | 10.7 | 2196 | 7 | US-11-691-000-122    | Sequence 122, Ap   | 936 | 53   | 10.6 | 1394 | 7 | US-11-649-663A-640   | Sequence 640, Ap   |
| 864 | 53.5 | 10.7 | 2411 | 7 | US-11-649-663A-4618  | Sequence 4618, Ap  | 937 | 53   | 10.6 | 1400 | 7 | US-11-649-663A-446   | Sequence 446, Ap   |
| 865 | 53.5 | 10.7 | 2411 | 7 | US-11-649-663A-1488  | Sequence 1488, Ap  | 938 | 53   | 10.6 | 1400 | 7 | US-11-649-663A-2488  | Sequence 2488, Ap  |
| 866 | 53.5 | 10.7 | 2598 | 7 | US-11-649-663A-2232  | Sequence 2232, Ap  | 939 | 53   | 10.6 | 1402 | 7 | US-11-649-663A-3482  | Sequence 3482, Ap  |
| 867 | 53   | 10.6 | 4709 | 7 | US-10-438-246-30887  | Sequence 30887, A  | 940 | 53   | 10.6 | 1409 | 7 | US-11-649-663A-1732  | Sequence 1732, Ap  |
| 868 | 53   | 10.6 | 187  | 7 | US-11-713-768-38622  | Sequence 38622, A  | 941 | 53   | 10.6 | 1422 | 7 | US-11-649-663A-690   | Sequence 690, Ap   |
| 869 | 53   | 10.6 | 187  | 7 | US-11-713-768-77611  | Sequence 77611, A  | 942 | 53   | 10.6 | 1449 | 7 | US-11-649-663A-790   | Sequence 790, Ap   |
| 870 | 53   | 10.6 | 187  | 7 | US-11-713-768-77611  | Sequence 77611, A  | 943 | 53   | 10.6 | 1449 | 7 | US-11-649-663A-1012  | Sequence 1012, Ap  |
| 871 | 53   | 10.6 | 199  | 7 | US-11-360-355-141763 | Sequence 141763, A | 944 | 53   | 10.6 | 1450 | 7 | US-11-649-663A-2578  | Sequence 2578, Ap  |
| 872 | 53   | 10.6 | 220  | 7 | US-11-713-768-38621  | Sequence 38621, A  | 945 | 53   | 10.6 | 1452 | 7 | US-11-649-663A-4154  | Sequence 4154, Ap  |
| 873 | 53   | 10.6 | 220  | 7 | US-11-713-768-77611  | Sequence 77611, A  | 946 | 53   | 10.6 | 1462 | 7 | US-11-649-663A-1174  | Sequence 1174, Ap  |
| 874 | 53   | 10.6 | 241  | 6 | US-10-533-069-1535   | Sequence 1535, Ap  | 947 | 53   | 10.6 | 1467 | 7 | US-11-649-663A-1854  | Sequence 1854, Ap  |
| 875 | 53   | 10.6 | 250  | 7 | US-11-713-768-77610  | Sequence 77610, A  | 948 | 53   | 10.6 | 1478 | 7 | US-11-649-663A-1476  | Sequence 1476, Ap  |
| 876 | 53   | 10.6 | 251  | 7 | US-11-713-768-38620  | Sequence 38620, A  | 949 | 53   | 10.6 | 1484 | 7 | US-11-649-663A-368   | Sequence 368, Ap   |
| 877 | 53   | 10.6 | 305  | 6 | US-10-438-246-30874  | Sequence 30874, A  | 950 | 53   | 10.6 | 1484 | 7 | US-11-649-663A-2594  | Sequence 2594, Ap  |
| 878 | 53   | 10.6 | 314  | 7 | US-11-713-768-13288  | Sequence 13288, A  | 951 | 53   | 10.6 | 1494 | 7 | US-11-649-663A-820   | Sequence 820, Ap   |
| 879 | 53   | 10.6 | 322  | 7 | US-11-713-768-54922  | Sequence 54922, A  | 952 | 53   | 10.6 | 1495 | 7 | US-11-649-663A-776   | Sequence 776, Ap   |
| 880 | 53   | 10.6 | 333  | 7 | US-11-713-768-10931  | Sequence 10931, A  | 953 | 53   | 10.6 | 1521 | 7 | US-11-649-663A-36    | Sequence 36, Appl  |
| 881 | 53   | 10.6 | 349  | 7 | US-11-713-768-16833  | Sequence 16833, A  | 954 | 53   | 10.6 | 1577 | 7 | US-11-649-663A-1118  | Sequence 1118, Ap  |
| 882 | 53   | 10.6 | 355  | 6 | US-10-438-246-32806  | Sequence 32806, A  | 955 | 53   | 10.6 | 1591 | 7 | US-11-649-663A-576   | Sequence 576, Ap   |
| 883 | 53   | 10.6 | 356  | 7 | US-11-713-768-54921  | Sequence 54921, A  | 956 | 53   | 10.6 | 1653 | 6 | US-10-438-246-10582  | Sequence 10582, A  |
| 884 | 53   | 10.6 | 369  | 7 | US-11-713-768-54920  | Sequence 54920, A  | 957 | 53   | 10.6 | 1674 | 7 | US-11-649-663A-1328  | Sequence 1328, Ap  |
| 885 | 53   | 10.6 | 378  | 7 | US-11-713-768-13296  | Sequence 13296, A  | 958 | 53   | 10.6 | 1676 | 7 | US-11-649-663A-546   | Sequence 546, Ap   |
| 886 | 53   | 10.6 | 499  | 7 | US-11-360-355-133188 | Sequence 133188, A | 959 | 53   | 10.6 | 1722 | 7 | US-11-649-663A-350   | Sequence 350, Ap   |
| 887 | 53   | 10.6 | 514  | 6 | US-10-438-246-18087  | Sequence 18087, A  | 960 | 53   | 10.6 | 1723 | 7 | US-11-649-663A-908   | Sequence 908, Ap   |
| 888 | 53   | 10.6 | 514  | 6 | US-10-438-246-25226  | Sequence 25226, A  | 961 | 53   | 10.6 | 1775 | 7 | US-11-649-663A-1538  | Sequence 1538, Ap  |
| 889 | 53   | 10.6 | 562  | 7 | US-11-649-663A-3662  | Sequence 3662, Ap  | 962 | 53   | 10.6 | 1822 | 6 | US-10-529-351A-4964  | Sequence 4964, Ap  |
| 890 | 53   | 10.6 | 582  | 7 | US-11-649-663A-3088  | Sequence 3088, Ap  | 963 | 53   | 10.6 | 1883 | 7 | US-11-649-663A-1756  | Sequence 1756, Ap  |
| 891 | 53   | 10.6 | 660  | 7 | US-11-360-355-126261 | Sequence 126261, A | 964 | 53   | 10.6 | 1944 | 7 | US-11-649-663A-2442  | Sequence 2442, Ap  |
| 892 | 53   | 10.6 | 725  | 6 | US-10-481-700-1      | Sequence 1, Appl   | 965 | 53   | 10.6 | 1957 | 7 | US-11-649-663A-2230  | Sequence 2230, Ap  |
| 893 | 53   | 10.6 | 738  | 7 | US-11-649-663A-816   | Sequence 816, Ap   | 966 | 53   | 10.6 | 1968 | 7 | US-11-649-663A-730   | Sequence 730, Ap   |
| 894 | 53   | 10.6 | 785  | 6 | US-10-438-246-32424  | Sequence 32424, A  | 967 | 53   | 10.6 | 2062 | 7 | US-11-649-663A-878   | Sequence 878, Ap   |
| 895 | 53   | 10.6 | 906  | 7 | US-11-649-663A-2610  | Sequence 2610, Ap  | 968 | 53   | 10.6 | 2073 | 7 | US-11-649-663A-2678  | Sequence 2678, Ap  |
| 896 | 53   | 10.6 | 914  | 7 | US-11-649-663A-2084  | Sequence 2084, Ap  | 969 | 53   | 10.6 | 2195 | 7 | US-11-649-663A-5412  | Sequence 5412, Ap  |
| 897 | 53   | 10.6 | 929  | 7 | US-11-360-355-120849 | Sequence 120849, A | 970 | 53   | 10.6 | 2228 | 7 | US-11-649-663A-920   | Sequence 920, Ap   |
| 898 | 53   | 10.6 | 945  | 7 | US-11-649-663A-1700  | Sequence 1700, Ap  | 971 | 53   | 10.6 | 2973 | 7 | US-11-649-663A-1566  | Sequence 1566, Ap  |
| 899 | 53   | 10.6 | 994  | 7 | US-11-649-663A-918   | Sequence 918, Ap   | 972 | 53   | 10.6 | 3060 | 7 | US-11-649-663A-1532  | Sequence 1532, Ap  |
| 900 | 53   | 10.6 | 1035 | 7 | US-11-649-663A-1704  | Sequence 1704, Ap  | 973 | 53   | 10.6 | 4590 | 6 | US-10-586-772A-3     | Sequence 3, Appl   |
| 901 | 53   | 10.6 | 1045 | 7 | US-11-649-663A-1036  | Sequence 1036, Ap  | 974 | 53   | 10.6 | 4602 | 6 | US-10-586-772A-5     | Sequence 5, Appl   |
| 902 | 53   | 10.6 | 1053 | 7 | US-11-649-663A-596   | Sequence 596, Ap   | 975 | 52.5 | 10.5 | 70   | 7 | US-11-214-372B-483   | Sequence 483, Ap   |
| 903 | 53   | 10.6 | 1055 | 7 | US-11-649-663A-3194  | Sequence 3194, A   | 976 | 52.5 | 10.5 | 83   | 6 | US-10-767-701-33968  | Sequence 33968, A  |
| 904 | 53   | 10.6 | 1078 | 7 | US-11-649-663A-848   | Sequence 848, Ap   | 977 | 52.5 | 10.5 | 149  | 7 | US-11-360-355-166420 | Sequence 166420, A |
| 905 | 53   | 10.6 | 1086 | 7 | US-11-649-663A-600   | Sequence 600, Ap   | 978 | 52.5 | 10.5 | 151  | 7 | US-11-360-355-153624 | Sequence 153624, A |
| 906 | 53   | 10.6 | 1104 | 7 | US-11-649-663A-1330  | Sequence 1330, Ap  | 979 | 52.5 | 10.5 | 154  | 6 | US-10-767-701-36170  | Sequence 36170, A  |
| 907 | 53   | 10.6 | 1132 | 7 | US-11-649-663A-1014  | Sequence 1014, Ap  | 980 | 52.5 | 10.5 | 192  | 7 | US-11-360-355-165844 | Sequence 165844, A |
| 908 | 53   | 10.6 | 1145 | 7 | US-11-649-663A-2560  | Sequence 2560, Ap  | 981 | 52.5 | 10.5 | 222  | 7 | US-11-360-355-157293 | Sequence 157293, A |
| 909 | 53   | 10.6 | 1148 | 7 | US-11-649-663A-2150  | Sequence 2150, Ap  | 982 | 52.5 | 10.5 | 261  | 6 | US-10-438-246-10722  | Sequence 10722, A  |

|      |   |                      |                    |      |      |      |      |   |                      |                    |
|------|---|----------------------|--------------------|------|------|------|------|---|----------------------|--------------------|
| 983  | 6 | US-10-438-246-10723  | Sequence 10723, A  | 1056 | 52.5 | 10.5 | 1011 | 7 | US-11-649-663A-1528  | Sequence 1528, Ap  |
| 984  | 6 | US-10-438-246-10725  | Sequence 10725, A  | 1057 | 52.5 | 10.5 | 1048 | 6 | US-10-438-246-19235  | Sequence 19235, A  |
| 985  | 6 | US-10-438-246-10724  | Sequence 10724, A  | 1058 | 52.5 | 10.5 | 1050 | 7 | US-11-649-663A-2762  | Sequence 2762, A   |
| 986  | 7 | US-11-360-355-150831 | Sequence 150831,   | 1059 | 52.5 | 10.5 | 1079 | 7 | US-11-649-663A-4958  | Sequence 4958, Ap  |
| 987  | 7 | US-11-741-492-22     | Sequence 22, App1  | 1060 | 52.5 | 10.5 | 1079 | 7 | US-11-649-663A-1016  | Sequence 1016, Ap  |
| 988  | 7 | US-11-713-768-75425  | Sequence 75425, A  | 1061 | 52.5 | 10.5 | 1168 | 7 | US-11-649-663A-2532  | Sequence 2532, Ap  |
| 989  | 6 | US-10-438-246-26130  | Sequence 26130, A  | 1062 | 52.5 | 10.5 | 1169 | 7 | US-11-649-663A-284   | Sequence 284, App  |
| 990  | 6 | US-11-713-768-71670  | Sequence 71670, A  | 1063 | 52.5 | 10.5 | 1220 | 7 | US-11-649-663A-1082  | Sequence 1082, Ap  |
| 991  | 7 | US-11-713-768-75424  | Sequence 75424, A  | 1064 | 52.5 | 10.5 | 1234 | 7 | US-11-649-663A-2566  | Sequence 2566, App |
| 992  | 7 | US-11-713-768-71669  | Sequence 71669, A  | 1065 | 52.5 | 10.5 | 1238 | 7 | US-11-649-663A-346   | Sequence 346, App  |
| 993  | 7 | US-11-713-768-75423  | Sequence 75423, A  | 1066 | 52.5 | 10.5 | 1249 | 7 | US-11-649-663A-1626  | Sequence 1626, Ap  |
| 994  | 7 | US-11-713-768-71668  | Sequence 71668, A  | 1067 | 52.5 | 10.5 | 1251 | 7 | US-11-649-663A-19548 | Sequence 19548, A  |
| 995  | 7 | US-11-714-841-543    | Sequence 543, App  | 1068 | 52.5 | 10.5 | 1286 | 6 | US-10-438-246-19071  | Sequence 19071, A  |
| 996  | 7 | US-11-783-419-543    | Sequence 543, App  | 1069 | 52.5 | 10.5 | 1287 | 6 | US-11-649-663A-1250  | Sequence 1250, Ap  |
| 997  | 7 | US-11-360-355-152928 | Sequence 152928,   | 1070 | 52.5 | 10.5 | 1300 | 7 | US-11-649-663A-2820  | Sequence 2820, Ap  |
| 998  | 7 | US-11-714-841-528    | Sequence 528, App  | 1071 | 52.5 | 10.5 | 1342 | 7 | US-11-649-663A-25913 | Sequence 25913, A  |
| 999  | 7 | US-11-714-841-529    | Sequence 529, App  | 1072 | 52.5 | 10.5 | 1342 | 7 | US-11-649-663A-1946  | Sequence 1946, Ap  |
| 1000 | 7 | US-11-714-841-542    | Sequence 542, App  | 1073 | 52.5 | 10.5 | 1344 | 6 | US-11-649-663A-2238  | Sequence 2238, Ap  |
| 1001 | 7 | US-11-714-841-1238   | Sequence 1238, Ap  | 1074 | 52.5 | 10.5 | 1357 | 7 | US-11-649-663A-19036 | Sequence 19036, A  |
| 1002 | 7 | US-11-714-841-1239   | Sequence 1239, Ap  | 1075 | 52.5 | 10.5 | 1358 | 7 | US-11-649-663A-19034 | Sequence 19034, A  |
| 1003 | 7 | US-11-714-841-1240   | Sequence 1240, Ap  | 1076 | 52.5 | 10.5 | 1382 | 6 | US-10-438-246-19036  | Sequence 2516, Ap  |
| 1004 | 7 | US-11-714-841-1241   | Sequence 1241, Ap  | 1077 | 52.5 | 10.5 | 1417 | 6 | US-11-649-663A-2516  | Sequence 2516, Ap  |
| 1005 | 7 | US-11-714-841-1242   | Sequence 1242, Ap  | 1078 | 52.5 | 10.5 | 1420 | 6 | US-11-649-663A-2308  | Sequence 2308, Ap  |
| 1006 | 7 | US-11-714-841-1243   | Sequence 1243, Ap  | 1079 | 52.5 | 10.5 | 1434 | 6 | US-11-649-663A-1890  | Sequence 1890, Ap  |
| 1007 | 7 | US-11-714-841-1244   | Sequence 1244, Ap  | 1080 | 52.5 | 10.5 | 1464 | 7 | US-11-649-663A-1180  | Sequence 1180, Ap  |
| 1008 | 7 | US-11-714-841-1245   | Sequence 1245, Ap  | 1081 | 52.5 | 10.5 | 1465 | 7 | US-11-649-663A-5082  | Sequence 5082, Ap  |
| 1009 | 7 | US-11-783-419-528    | Sequence 528, App  | 1082 | 52.5 | 10.5 | 1481 | 7 | US-11-649-663A-696   | Sequence 696, App  |
| 1010 | 7 | US-11-783-419-529    | Sequence 529, App  | 1083 | 52.5 | 10.5 | 1481 | 7 | US-11-649-663A-632   | Sequence 632, App  |
| 1011 | 7 | US-11-783-419-542    | Sequence 542, App  | 1084 | 52.5 | 10.5 | 1494 | 6 | US-10-438-246-19262  | Sequence 25971, A  |
| 1012 | 7 | US-11-783-419-1238   | Sequence 1238, Ap  | 1085 | 52.5 | 10.5 | 1502 | 7 | US-11-649-663A-2358  | Sequence 2358, Ap  |
| 1013 | 7 | US-11-783-419-1239   | Sequence 1239, Ap  | 1086 | 52.5 | 10.5 | 1523 | 7 | US-11-649-663A-19214 | Sequence 19214, A  |
| 1014 | 7 | US-11-783-419-1240   | Sequence 1240, Ap  | 1087 | 52.5 | 10.5 | 1559 | 6 | US-11-649-663A-1846  | Sequence 1846, Ap  |
| 1015 | 7 | US-11-783-419-1241   | Sequence 1241, Ap  | 1088 | 52.5 | 10.5 | 1560 | 7 | US-11-649-663A-2208  | Sequence 2208, Ap  |
| 1016 | 7 | US-11-783-419-1242   | Sequence 1242, Ap  | 1089 | 52.5 | 10.5 | 1566 | 6 | US-10-438-246-10480  | Sequence 10480, A  |
| 1017 | 7 | US-11-783-419-1243   | Sequence 1243, Ap  | 1090 | 52.5 | 10.5 | 1595 | 6 | US-11-649-663A-3990  | Sequence 3990, Ap  |
| 1018 | 7 | US-11-783-419-1244   | Sequence 1244, Ap  | 1091 | 52.5 | 10.5 | 1632 | 7 | US-11-649-663A-860   | Sequence 860, App  |
| 1019 | 7 | US-11-783-419-1245   | Sequence 1245, Ap  | 1092 | 52.5 | 10.5 | 1649 | 7 | US-11-649-663A-682   | Sequence 682, App  |
| 1020 | 6 | US-10-438-246-19506  | Sequence 19506, A  | 1093 | 52.5 | 10.5 | 1657 | 7 | US-10-438-246-19070  | Sequence 19070, A  |
| 1021 | 6 | US-11-594-211-1342   | Sequence 1342, App | 1094 | 52.5 | 10.5 | 1663 | 6 | US-10-438-246-19061  | Sequence 19061, A  |
| 1022 | 6 | US-10-594-211-265    | Sequence 265, App  | 1095 | 52.5 | 10.5 | 1670 | 6 | US-10-438-246-25934  | Sequence 25934, A  |
| 1023 | 6 | US-10-594-211-281    | Sequence 281, App  | 1096 | 52.5 | 10.5 | 1697 | 6 | US-10-438-246-19086  | Sequence 19086, A  |
| 1024 | 7 | US-11-649-663A-3402  | Sequence 3402, App | 1097 | 52.5 | 10.5 | 1701 | 6 | US-11-649-663A-1152  | Sequence 1152, Ap  |
| 1025 | 7 | US-11-584-820-90     | Sequence 90, App1  | 1098 | 52.5 | 10.5 | 1705 | 7 | US-11-649-663A-2322  | Sequence 2322, Ap  |
| 1026 | 7 | US-11-542-670-52     | Sequence 52, App1  | 1099 | 52.5 | 10.5 | 1706 | 7 | US-11-649-663A-2342  | Sequence 2342, Ap  |
| 1027 | 7 | US-11-649-663A-4400  | Sequence 4400, App | 1100 | 52.5 | 10.5 | 1706 | 6 | US-10-438-246-19118  | Sequence 19118, A  |
| 1028 | 7 | US-11-714-841-1224   | Sequence 1224, Ap  | 1101 | 52.5 | 10.5 | 1708 | 6 | US-11-649-663A-2086  | Sequence 2086, Ap  |
| 1029 | 7 | US-11-714-841-1227   | Sequence 1227, Ap  | 1102 | 52.5 | 10.5 | 1720 | 6 | US-11-649-663A-3676  | Sequence 3676, Ap  |
| 1030 | 7 | US-11-783-419-1224   | Sequence 1224, Ap  | 1103 | 52.5 | 10.5 | 1735 | 6 | US-10-438-246-19044  | Sequence 19044, A  |
| 1031 | 7 | US-11-783-419-1227   | Sequence 1227, Ap  | 1104 | 52.5 | 10.5 | 1735 | 6 | US-10-438-246-19220  | Sequence 19220, A  |
| 1032 | 7 | US-11-714-841-1223   | Sequence 1223, Ap  | 1105 | 52.5 | 10.5 | 1737 | 7 | US-11-649-663A-2046  | Sequence 2046, Ap  |
| 1033 | 7 | US-11-714-841-1228   | Sequence 1228, Ap  | 1106 | 52.5 | 10.5 | 1737 | 6 | US-10-438-246-19177  | Sequence 19177, A  |
| 1034 | 7 | US-11-783-419-1223   | Sequence 1223, Ap  | 1107 | 52.5 | 10.5 | 1757 | 6 | US-10-438-246-19133  | Sequence 19133, A  |
| 1035 | 7 | US-11-783-419-1228   | Sequence 1228, Ap  | 1108 | 52.5 | 10.5 | 1774 | 6 | US-10-438-246-19031  | Sequence 19031, A  |
| 1036 | 7 | US-11-714-841-1225   | Sequence 1225, Ap  | 1109 | 52.5 | 10.5 | 1777 | 6 | US-10-438-246-19195  | Sequence 19195, A  |
| 1037 | 7 | US-11-714-841-1229   | Sequence 1229, Ap  | 1110 | 52.5 | 10.5 | 1777 | 6 | US-10-438-246-25924  | Sequence 25924, A  |
| 1038 | 7 | US-11-783-419-1225   | Sequence 1225, Ap  | 1111 | 52.5 | 10.5 | 1777 | 6 | US-10-438-246-19151  | Sequence 19151, A  |
| 1039 | 7 | US-11-783-419-1229   | Sequence 1229, App | 1112 | 52.5 | 10.5 | 1783 | 6 | US-10-438-246-19217  | Sequence 19217, A  |
| 1040 | 7 | US-11-649-663A-852   | Sequence 852, App  | 1113 | 52.5 | 10.5 | 1786 | 6 | US-10-438-246-19223  | Sequence 19223, A  |
| 1041 | 7 | US-11-714-841-1226   | Sequence 1226, Ap  | 1114 | 52.5 | 10.5 | 1786 | 6 | US-10-438-246-25940  | Sequence 25940, A  |
| 1042 | 7 | US-11-714-841-1230   | Sequence 1230, Ap  | 1115 | 52.5 | 10.5 | 1786 | 6 | US-10-438-246-19083  | Sequence 19083, A  |
| 1043 | 7 | US-11-783-419-1230   | Sequence 1230, Ap  | 1116 | 52.5 | 10.5 | 1791 | 6 | US-10-438-246-19126  | Sequence 19126, A  |
| 1044 | 7 | US-11-783-419-1230   | Sequence 1230, Ap  | 1117 | 52.5 | 10.5 | 1791 | 6 | US-10-438-246-19130  | Sequence 19130, A  |
| 1045 | 7 | US-11-649-663A-2740  | Sequence 2740, App | 1118 | 52.5 | 10.5 | 1795 | 6 | US-10-438-246-19211  | Sequence 19211, A  |
| 1046 | 7 | US-11-649-663A-5346  | Sequence 5346, App | 1119 | 52.5 | 10.5 | 1795 | 6 | US-10-438-246-19168  | Sequence 19168, A  |
| 1047 | 7 | US-11-649-663A-2030  | Sequence 2030, App | 1120 | 52.5 | 10.5 | 1803 | 6 | US-10-438-246-19216  | Sequence 19216, A  |
| 1048 | 7 | US-11-714-841-312    | Sequence 312, App  | 1121 | 52.5 | 10.5 | 1803 | 6 | US-10-438-246-25914  | Sequence 25914, A  |
| 1049 | 7 | US-11-714-841-326    | Sequence 326, App  | 1122 | 52.5 | 10.5 | 1803 | 6 |                      |                    |
| 1050 | 7 | US-11-783-419-312    | Sequence 312, App  | 1123 | 52.5 | 10.5 |      |   |                      |                    |
| 1051 | 7 | US-11-783-419-326    | Sequence 326, App  | 1124 | 52.5 | 10.5 |      |   |                      |                    |
| 1052 | 7 | US-11-714-841-313    | Sequence 313, App  | 1125 | 52.5 | 10.5 |      |   |                      |                    |
| 1053 | 7 | US-11-714-841-327    | Sequence 327, App  | 1126 | 52.5 | 10.5 |      |   |                      |                    |
| 1054 | 7 | US-11-783-419-313    | Sequence 313, App  | 1127 | 52.5 | 10.5 |      |   |                      |                    |
| 1055 | 7 | US-11-783-419-327    | Sequence 327, App  | 1128 | 52.5 | 10.5 |      |   |                      |                    |



|      |      |      |      |   |                      |                      |      |    |      |      |   |                      |                      |
|------|------|------|------|---|----------------------|----------------------|------|----|------|------|---|----------------------|----------------------|
| 1129 | 52.5 | 10.5 | 1804 | 6 | US-10-438-246-19116  | Sequence 19116, A    | 1202 | 52 | 10.4 | 300  | 7 | US-11-714-841-491    | Sequence 491, App    |
| 1130 | 52.5 | 10.5 | 1804 | 6 | US-10-438-246-19146  | Sequence 19146, A    | 1203 | 52 | 10.4 | 300  | 7 | US-11-714-841-494    | Sequence 494, App    |
| 1131 | 52.5 | 10.5 | 1804 | 6 | US-10-438-246-19161  | Sequence 19161, A    | 1204 | 52 | 10.4 | 300  | 7 | US-11-783-419-439    | Sequence 439, App    |
| 1132 | 52.5 | 10.5 | 1804 | 6 | US-10-438-246-19162  | Sequence 19162, A    | 1205 | 52 | 10.4 | 300  | 7 | US-11-783-419-452    | Sequence 452, App    |
| 1133 | 52.5 | 10.5 | 1804 | 6 | US-10-438-246-19641  | Sequence 19641, A    | 1206 | 52 | 10.4 | 300  | 7 | US-11-783-419-491    | Sequence 491, App    |
| 1134 | 52.5 | 10.5 | 1804 | 6 | US-10-438-246-25900  | Sequence 25900, A    | 1207 | 52 | 10.4 | 300  | 7 | US-11-783-419-494    | Sequence 494, App    |
| 1135 | 52.5 | 10.5 | 1805 | 6 | US-10-438-246-19132  | Sequence 19132, A    | 1208 | 52 | 10.4 | 341  | 6 | US-11-438-246-8788   | Sequence 8788, App   |
| 1136 | 52.5 | 10.5 | 1805 | 6 | US-10-438-246-25905  | Sequence 25905, A    | 1209 | 52 | 10.4 | 359  | 7 | US-11-360-355-120013 | Sequence 120013, App |
| 1137 | 52.5 | 10.5 | 1805 | 6 | US-10-438-246-25929  | Sequence 25929, A    | 1210 | 52 | 10.4 | 361  | 7 | US-11-726-028-9      | Sequence 9, Appl     |
| 1138 | 52.5 | 10.5 | 1808 | 7 | US-11-649-663A-1788  | Sequence 1788, App   | 1211 | 52 | 10.4 | 395  | 7 | US-11-360-355-120911 | Sequence 120911, App |
| 1139 | 52.5 | 10.5 | 1809 | 6 | US-10-438-246-19176  | Sequence 19176, A    | 1212 | 52 | 10.4 | 430  | 6 | US-11-649-663A-198   | Sequence 198, App    |
| 1140 | 52.5 | 10.5 | 1809 | 6 | US-10-438-246-19183  | Sequence 19183, A    | 1213 | 52 | 10.4 | 435  | 6 | US-10-528-351A-3477  | Sequence 3477, App   |
| 1141 | 52.5 | 10.5 | 1816 | 7 | US-11-649-663A-590   | Sequence 590, App    | 1214 | 52 | 10.4 | 441  | 6 | US-10-438-246-30110  | Sequence 30110, A    |
| 1142 | 52.5 | 10.5 | 1828 | 6 | US-10-438-246-25902  | Sequence 25902, A    | 1215 | 52 | 10.4 | 455  | 6 | US-10-438-246-18589  | Sequence 18589, A    |
| 1143 | 52.5 | 10.5 | 1832 | 6 | US-10-438-246-25962  | Sequence 25962, A    | 1216 | 52 | 10.4 | 643  | 6 | US-10-438-246-30106  | Sequence 30106, A    |
| 1144 | 52.5 | 10.5 | 1844 | 6 | US-11-649-663A-930   | Sequence 930, App    | 1217 | 52 | 10.4 | 746  | 6 | US-10-594-211-118    | Sequence 211, App    |
| 1145 | 52.5 | 10.5 | 1846 | 6 | US-10-438-246-25954  | Sequence 25954, A    | 1218 | 52 | 10.4 | 751  | 7 | US-11-649-663A-2896  | Sequence 2896, App   |
| 1146 | 52.5 | 10.5 | 1849 | 6 | US-10-438-246-19171  | Sequence 19171, A    | 1219 | 52 | 10.4 | 787  | 7 | US-11-633-858-172    | Sequence 172, App    |
| 1147 | 52.5 | 10.5 | 1857 | 6 | US-10-438-246-25967  | Sequence 25967, A    | 1220 | 52 | 10.4 | 787  | 7 | US-11-741-432-98     | Sequence 98, Appl    |
| 1148 | 52.5 | 10.5 | 1864 | 6 | US-10-438-246-19035  | Sequence 19035, A    | 1221 | 52 | 10.4 | 864  | 7 | US-11-714-841-220    | Sequence 220, App    |
| 1149 | 52.5 | 10.5 | 1867 | 6 | US-10-438-246-19226  | Sequence 19226, A    | 1222 | 52 | 10.4 | 864  | 7 | US-11-783-419-220    | Sequence 220, App    |
| 1150 | 52.5 | 10.5 | 1868 | 6 | US-10-438-246-25916  | Sequence 25916, A    | 1223 | 52 | 10.4 | 868  | 7 | US-11-714-841-219    | Sequence 219, App    |
| 1151 | 52.5 | 10.5 | 1897 | 7 | US-11-649-663A-2894  | Sequence 2894, App   | 1224 | 52 | 10.4 | 868  | 7 | US-11-783-419-219    | Sequence 219, App    |
| 1152 | 52.5 | 10.5 | 1917 | 6 | US-10-438-246-25937  | Sequence 25937, A    | 1225 | 52 | 10.4 | 870  | 7 | US-11-714-841-235    | Sequence 235, App    |
| 1153 | 52.5 | 10.5 | 1941 | 7 | US-11-649-663A-1768  | Sequence 1768, App   | 1226 | 52 | 10.4 | 874  | 7 | US-11-783-419-235    | Sequence 235, App    |
| 1154 | 52.5 | 10.5 | 1943 | 6 | US-10-438-246-19224  | Sequence 19224, A    | 1227 | 52 | 10.4 | 874  | 7 | US-11-714-841-218    | Sequence 218, App    |
| 1155 | 52.5 | 10.5 | 1990 | 7 | US-11-649-663A-862   | Sequence 862, App    | 1228 | 52 | 10.4 | 874  | 7 | US-11-714-841-234    | Sequence 234, App    |
| 1156 | 52.5 | 10.5 | 2133 | 7 | US-11-649-663A-894   | Sequence 894, App    | 1229 | 52 | 10.4 | 874  | 7 | US-11-783-419-218    | Sequence 218, App    |
| 1157 | 52.5 | 10.5 | 2187 | 6 | US-10-438-246-19643  | Sequence 19643, A    | 1230 | 52 | 10.4 | 874  | 7 | US-11-783-419-234    | Sequence 234, App    |
| 1158 | 52.5 | 10.5 | 2205 | 7 | US-11-649-663A-1876  | Sequence 1876, App   | 1231 | 52 | 10.4 | 876  | 7 | US-11-714-841-236    | Sequence 236, App    |
| 1159 | 52.5 | 10.5 | 2273 | 6 | US-10-438-246-25956  | Sequence 25956, A    | 1232 | 52 | 10.4 | 876  | 7 | US-11-783-419-236    | Sequence 236, App    |
| 1160 | 52.5 | 10.5 | 2333 | 6 | US-10-438-246-19029  | Sequence 19029, A    | 1233 | 52 | 10.4 | 879  | 7 | US-11-714-841-224    | Sequence 224, App    |
| 1161 | 52.5 | 10.5 | 2355 | 6 | US-10-438-246-25897  | Sequence 25897, A    | 1234 | 52 | 10.4 | 879  | 7 | US-11-783-419-224    | Sequence 224, App    |
| 1162 | 52.5 | 10.5 | 4655 | 7 | US-11-542-670-17     | Sequence 17, Appl    | 1235 | 52 | 10.4 | 880  | 7 | US-11-714-841-217    | Sequence 217, App    |
| 1163 | 52   | 10.4 | 122  | 6 | US-10-438-246-9364   | Sequence 9364, App   | 1236 | 52 | 10.4 | 880  | 7 | US-11-714-841-221    | Sequence 221, App    |
| 1164 | 52   | 10.4 | 130  | 6 | US-10-438-246-32936  | Sequence 32936, A    | 1237 | 52 | 10.4 | 880  | 7 | US-11-714-841-222    | Sequence 222, App    |
| 1165 | 52   | 10.4 | 138  | 7 | US-11-713-768-6842   | Sequence 6842, App   | 1238 | 52 | 10.4 | 880  | 7 | US-11-714-841-227    | Sequence 227, App    |
| 1166 | 52   | 10.4 | 143  | 7 | US-11-713-768-6841   | Sequence 6841, App   | 1239 | 52 | 10.4 | 880  | 7 | US-11-714-841-233    | Sequence 233, App    |
| 1167 | 52   | 10.4 | 146  | 7 | US-11-403-116-1218   | Sequence 1218, App   | 1240 | 52 | 10.4 | 880  | 7 | US-11-714-841-274    | Sequence 274, App    |
| 1168 | 52   | 10.4 | 180  | 6 | US-10-767-701-42840  | Sequence 42840, A    | 1241 | 52 | 10.4 | 880  | 7 | US-11-714-841-279    | Sequence 279, App    |
| 1169 | 52   | 10.4 | 183  | 6 | US-10-767-701-54182  | Sequence 54182, A    | 1242 | 52 | 10.4 | 880  | 7 | US-11-783-419-217    | Sequence 217, App    |
| 1170 | 52   | 10.4 | 188  | 7 | US-11-360-355-140730 | Sequence 140730, App | 1243 | 52 | 10.4 | 880  | 7 | US-11-783-419-221    | Sequence 221, App    |
| 1171 | 52   | 10.4 | 188  | 7 | US-11-713-768-110200 | Sequence 110200, App | 1244 | 52 | 10.4 | 880  | 7 | US-11-783-419-222    | Sequence 222, App    |
| 1172 | 52   | 10.4 | 207  | 7 | US-11-360-355-164986 | Sequence 164986, App | 1245 | 52 | 10.4 | 880  | 7 | US-11-783-419-227    | Sequence 227, App    |
| 1173 | 52   | 10.4 | 224  | 6 | US-10-767-701-31808  | Sequence 31808, A    | 1246 | 52 | 10.4 | 880  | 7 | US-11-783-419-233    | Sequence 233, App    |
| 1174 | 52   | 10.4 | 271  | 7 | US-11-714-841-433    | Sequence 433, App    | 1247 | 52 | 10.4 | 880  | 7 | US-11-783-419-274    | Sequence 274, App    |
| 1175 | 52   | 10.4 | 271  | 7 | US-11-714-841-434    | Sequence 434, App    | 1248 | 52 | 10.4 | 880  | 7 | US-11-783-419-279    | Sequence 279, App    |
| 1176 | 52   | 10.4 | 271  | 7 | US-11-714-841-435    | Sequence 435, App    | 1249 | 52 | 10.4 | 885  | 7 | US-11-714-841-275    | Sequence 275, App    |
| 1177 | 52   | 10.4 | 271  | 7 | US-11-714-841-436    | Sequence 436, App    | 1250 | 52 | 10.4 | 885  | 7 | US-11-714-841-278    | Sequence 278, App    |
| 1178 | 52   | 10.4 | 271  | 7 | US-11-714-841-437    | Sequence 437, App    | 1251 | 52 | 10.4 | 885  | 7 | US-11-783-419-275    | Sequence 275, App    |
| 1179 | 52   | 10.4 | 271  | 7 | US-11-714-841-438    | Sequence 438, App    | 1252 | 52 | 10.4 | 885  | 7 | US-11-783-419-278    | Sequence 278, App    |
| 1180 | 52   | 10.4 | 271  | 7 | US-11-714-841-440    | Sequence 440, App    | 1253 | 52 | 10.4 | 887  | 7 | US-11-714-841-223    | Sequence 223, App    |
| 1181 | 52   | 10.4 | 271  | 7 | US-11-714-841-443    | Sequence 443, App    | 1254 | 52 | 10.4 | 887  | 7 | US-11-783-419-223    | Sequence 223, App    |
| 1182 | 52   | 10.4 | 271  | 7 | US-11-714-841-449    | Sequence 449, App    | 1255 | 52 | 10.4 | 893  | 7 | US-11-649-663A-1942  | Sequence 1942, App   |
| 1183 | 52   | 10.4 | 271  | 7 | US-11-714-841-450    | Sequence 450, App    | 1256 | 52 | 10.4 | 906  | 7 | US-11-649-663A-1492  | Sequence 1492, App   |
| 1184 | 52   | 10.4 | 271  | 7 | US-11-714-841-451    | Sequence 451, App    | 1257 | 52 | 10.4 | 954  | 7 | US-11-649-663A-1922  | Sequence 1922, App   |
| 1185 | 52   | 10.4 | 271  | 7 | US-11-714-841-490    | Sequence 490, App    | 1258 | 52 | 10.4 | 967  | 7 | US-11-649-663A-412   | Sequence 412, App    |
| 1186 | 52   | 10.4 | 271  | 7 | US-11-714-841-495    | Sequence 495, App    | 1259 | 52 | 10.4 | 983  | 7 | US-11-649-663A-2434  | Sequence 2434, App   |
| 1187 | 52   | 10.4 | 271  | 7 | US-11-783-419-433    | Sequence 433, App    | 1260 | 52 | 10.4 | 985  | 7 | US-11-649-663A-5470  | Sequence 5470, App   |
| 1188 | 52   | 10.4 | 271  | 7 | US-11-783-419-435    | Sequence 435, App    | 1261 | 52 | 10.4 | 1065 | 7 | US-11-649-663A-618   | Sequence 618, App    |
| 1189 | 52   | 10.4 | 271  | 7 | US-11-783-419-436    | Sequence 436, App    | 1262 | 52 | 10.4 | 1097 | 7 | US-11-649-663A-638   | Sequence 638, App    |
| 1190 | 52   | 10.4 | 271  | 7 | US-11-783-419-437    | Sequence 437, App    | 1263 | 52 | 10.4 | 1097 | 7 | US-11-649-663A-1420  | Sequence 1420, App   |
| 1191 | 52   | 10.4 | 271  | 7 | US-11-783-419-438    | Sequence 438, App    | 1264 | 52 | 10.4 | 1129 | 7 | US-11-649-663A-332   | Sequence 332, App    |
| 1192 | 52   | 10.4 | 271  | 7 | US-11-783-419-439    | Sequence 439, App    | 1265 | 52 | 10.4 | 1153 | 7 | US-11-649-663A-500   | Sequence 500, App    |
| 1193 | 52   | 10.4 | 271  | 7 | US-11-783-419-440    | Sequence 440, App    | 1266 | 52 | 10.4 | 1155 | 7 | US-11-649-663A-644   | Sequence 644, App    |
| 1194 | 52   | 10.4 | 271  | 7 | US-11-783-419-443    | Sequence 443, App    | 1267 | 52 | 10.4 | 1156 | 7 | US-11-649-663A-756   | Sequence 756, App    |
| 1195 | 52   | 10.4 | 271  | 7 | US-11-783-419-449    | Sequence 449, App    | 1268 | 52 | 10.4 | 1157 | 7 | US-11-649-663A-2268  | Sequence 2268, App   |
| 1196 | 52   | 10.4 | 271  | 7 | US-11-783-419-450    | Sequence 450, App    | 1269 | 52 | 10.4 | 1175 | 7 | US-11-649-663A-3288  | Sequence 3288, App   |
| 1197 | 52   | 10.4 | 271  | 7 | US-11-783-419-451    | Sequence 451, App    | 1270 | 52 | 10.4 | 1220 | 7 | US-11-649-663A-1048  | Sequence 1048, App   |
| 1198 | 52   | 10.4 | 271  | 7 | US-11-783-419-490    | Sequence 490, App    | 1271 | 52 | 10.4 | 1227 | 7 | US-11-649-663A-2644  | Sequence 2644, App   |
| 1199 | 52   | 10.4 | 271  | 7 | US-11-783-419-495    | Sequence 495, App    | 1272 | 52 | 10.4 | 1242 | 7 | US-11-649-663A-1058  | Sequence 1058, App   |
| 1200 | 52   | 10.4 | 300  | 7 | US-11-714-841-439    | Sequence 439, App    | 1273 | 52 | 10.4 | 1270 | 7 | US-11-649-663A-1252  | Sequence 1252, App   |
| 1201 | 52   | 10.4 | 300  | 7 | US-11-714-841-452    | Sequence 452, App    | 1274 | 52 | 10.4 | 1319 | 7 | US-11-649-663A-774   | Sequence 774, App    |



|      |      |      |      |   |                      |                    |      |      |      |      |   |                      |                    |
|------|------|------|------|---|----------------------|--------------------|------|------|------|------|---|----------------------|--------------------|
| 1275 | 52   | 10.4 | 1331 | 6 | US-10-438-246-18947  | Sequence 18947, A  | 1348 | 51.5 | 10.3 | 289  | 7 | US-11-713-768-48211  | Sequence 48211, A  |
| 1276 | 52   | 10.4 | 1336 | 7 | US-11-649-663A-904   | Sequence 904, App  | 1349 | 51.5 | 10.3 | 307  | 7 | US-11-713-768-68642  | Sequence 68642, A  |
| 1277 | 52   | 10.4 | 1339 | 6 | US-10-438-246-18948  | Sequence 18948, A  | 1350 | 51.5 | 10.3 | 322  | 7 | US-11-713-768-3151   | Sequence 3151, App |
| 1278 | 52   | 10.4 | 1349 | 6 | US-10-438-246-18949  | Sequence 18949, A  | 1351 | 51.5 | 10.3 | 360  | 7 | US-11-360-355-157607 | Sequence 157607, A |
| 1279 | 52   | 10.4 | 1369 | 7 | US-11-649-663A-2154  | Sequence 2154, App | 1352 | 51.5 | 10.3 | 366  | 7 | US-11-360-355-157485 | Sequence 157485, A |
| 1280 | 52   | 10.4 | 1370 | 7 | US-11-649-663A-2190  | Sequence 2190, App | 1353 | 51.5 | 10.3 | 387  | 6 | US-10-767-701-44005  | Sequence 44005, A  |
| 1281 | 52   | 10.4 | 1377 | 7 | US-11-649-663A-2284  | Sequence 2284, App | 1354 | 51.5 | 10.3 | 421  | 6 | US-10-438-246-18036  | Sequence 18036, A  |
| 1282 | 52   | 10.4 | 1387 | 7 | US-11-649-663A-2284  | Sequence 2284, App | 1355 | 51.5 | 10.3 | 424  | 6 | US-10-438-246-25199  | Sequence 25199, A  |
| 1283 | 52   | 10.4 | 1395 | 7 | US-11-649-663A-1060  | Sequence 1060, App | 1356 | 51.5 | 10.3 | 468  | 6 | US-10-551-004-19     | Sequence 19, Appl  |
| 1284 | 52   | 10.4 | 1396 | 7 | US-11-649-663A-366   | Sequence 366, App  | 1357 | 51.5 | 10.3 | 542  | 6 | US-10-529-351A-607   | Sequence 607, App  |
| 1285 | 52   | 10.4 | 1404 | 7 | US-11-649-663A-1240  | Sequence 1240, App | 1358 | 51.5 | 10.3 | 588  | 6 | US-10-438-246-8801   | Sequence 8801, App |
| 1286 | 52   | 10.4 | 1405 | 7 | US-11-649-663A-2296  | Sequence 2296, App | 1359 | 51.5 | 10.3 | 643  | 6 | US-11-112-327-10     | Sequence 10, Appl  |
| 1287 | 52   | 10.4 | 1413 | 7 | US-11-649-663A-1954  | Sequence 1954, App | 1360 | 51.5 | 10.3 | 813  | 6 | US-10-438-246-5969   | Sequence 5969, App |
| 1288 | 52   | 10.4 | 1416 | 7 | US-11-649-663A-1684  | Sequence 1684, App | 1361 | 51.5 | 10.3 | 834  | 6 | US-10-527-470-14     | Sequence 14, Appl  |
| 1289 | 52   | 10.4 | 1427 | 7 | US-11-649-663A-1060  | Sequence 1060, App | 1362 | 51.5 | 10.3 | 838  | 7 | US-11-649-663A-808   | Sequence 808, App  |
| 1290 | 52   | 10.4 | 1432 | 7 | US-11-649-663A-946   | Sequence 946, App  | 1363 | 51.5 | 10.3 | 838  | 7 | US-11-649-663A-1686  | Sequence 1686, App |
| 1291 | 52   | 10.4 | 1436 | 7 | US-11-649-663A-958   | Sequence 958, App  | 1364 | 51.5 | 10.3 | 849  | 7 | US-11-728-045-1      | Sequence 1, Appl   |
| 1292 | 52   | 10.4 | 1437 | 7 | US-11-649-663A-2014  | Sequence 2014, App | 1365 | 51.5 | 10.3 | 913  | 7 | US-11-649-663A-702   | Sequence 702, App  |
| 1293 | 52   | 10.4 | 1452 | 7 | US-11-649-663A-926   | Sequence 926, App  | 1366 | 51.5 | 10.3 | 945  | 7 | US-11-649-663A-2018  | Sequence 2018, App |
| 1294 | 52   | 10.4 | 1485 | 7 | US-11-649-663A-2206  | Sequence 2206, App | 1367 | 51.5 | 10.3 | 945  | 7 | US-11-498-489-2      | Sequence 2, Appl   |
| 1295 | 52   | 10.4 | 1502 | 7 | US-11-649-663A-1380  | Sequence 1380, App | 1368 | 51.5 | 10.3 | 984  | 7 | US-11-498-489-4      | Sequence 4, Appl   |
| 1296 | 52   | 10.4 | 1523 | 7 | US-11-649-663A-1190  | Sequence 1190, App | 1369 | 51.5 | 10.3 | 984  | 7 | US-11-377-502-2      | Sequence 2, Appl   |
| 1297 | 52   | 10.4 | 1527 | 7 | US-11-649-663A-766   | Sequence 766, App  | 1370 | 51.5 | 10.3 | 986  | 6 | US-10-438-246-19052  | Sequence 19052, A  |
| 1298 | 52   | 10.4 | 1535 | 7 | US-11-673-351-48     | Sequence 48, Appl  | 1371 | 51.5 | 10.3 | 1023 | 7 | US-11-649-663A-1534  | Sequence 1534, App |
| 1299 | 52   | 10.4 | 1537 | 7 | US-11-649-663A-2432  | Sequence 2432, App | 1372 | 51.5 | 10.3 | 1050 | 7 | US-11-649-663A-2020  | Sequence 2020, App |
| 1300 | 52   | 10.4 | 1539 | 7 | US-11-649-663A-2180  | Sequence 2180, App | 1373 | 51.5 | 10.3 | 1057 | 7 | US-11-649-663A-3420  | Sequence 3420, App |
| 1301 | 52   | 10.4 | 1545 | 7 | US-11-649-663A-1374  | Sequence 1374, App | 1374 | 51.5 | 10.3 | 1092 | 7 | US-11-649-663A-2690  | Sequence 2690, App |
| 1302 | 52   | 10.4 | 1565 | 7 | US-11-649-663A-1824  | Sequence 1824, App | 1375 | 51.5 | 10.3 | 1108 | 7 | US-11-649-663A-5006  | Sequence 5006, App |
| 1303 | 52   | 10.4 | 1567 | 7 | US-11-649-663A-2116  | Sequence 2116, App | 1376 | 51.5 | 10.3 | 1179 | 7 | US-11-649-663A-508   | Sequence 508, App  |
| 1304 | 52   | 10.4 | 1597 | 7 | US-11-649-663A-618   | Sequence 618, App  | 1377 | 51.5 | 10.3 | 1179 | 7 | US-11-649-663A-2096  | Sequence 2096, App |
| 1305 | 52   | 10.4 | 1599 | 7 | US-11-649-663A-1050  | Sequence 1050, App | 1378 | 51.5 | 10.3 | 1199 | 7 | US-11-649-663A-2390  | Sequence 2390, App |
| 1306 | 52   | 10.4 | 1630 | 7 | US-11-649-663A-2222  | Sequence 2222, App | 1379 | 51.5 | 10.3 | 1212 | 6 | US-10-438-246-19237  | Sequence 19237, A  |
| 1307 | 52   | 10.4 | 1637 | 7 | US-11-649-663A-1246  | Sequence 1246, App | 1380 | 51.5 | 10.3 | 1232 | 6 | US-11-649-663A-524   | Sequence 524, App  |
| 1308 | 52   | 10.4 | 1653 | 7 | US-11-649-663A-626   | Sequence 626, App  | 1381 | 51.5 | 10.3 | 1244 | 6 | US-10-438-246-19166  | Sequence 19166, A  |
| 1309 | 52   | 10.4 | 1658 | 7 | US-11-649-663A-2176  | Sequence 2176, App | 1382 | 51.5 | 10.3 | 1258 | 7 | US-11-649-663A-1612  | Sequence 1612, App |
| 1310 | 52   | 10.4 | 1689 | 7 | US-11-649-663A-2456  | Sequence 2456, App | 1383 | 51.5 | 10.3 | 1261 | 6 | US-10-438-246-25945  | Sequence 25945, A  |
| 1311 | 52   | 10.4 | 1692 | 7 | US-11-649-663A-2858  | Sequence 2858, App | 1384 | 51.5 | 10.3 | 1276 | 7 | US-11-649-663A-1764  | Sequence 1764, App |
| 1312 | 52   | 10.4 | 1696 | 7 | US-11-649-663A-630   | Sequence 630, App  | 1385 | 51.5 | 10.3 | 1277 | 7 | US-11-649-663A-440   | Sequence 440, App  |
| 1313 | 52   | 10.4 | 1700 | 7 | US-11-649-663A-1010  | Sequence 1010, App | 1386 | 51.5 | 10.3 | 1280 | 6 | US-11-649-663A-2512  | Sequence 2512, App |
| 1314 | 52   | 10.4 | 1701 | 7 | US-11-649-663A-2440  | Sequence 2440, App | 1387 | 51.5 | 10.3 | 1286 | 6 | US-10-438-246-19108  | Sequence 19108, A  |
| 1315 | 52   | 10.4 | 1714 | 7 | US-11-649-663A-740   | Sequence 740, App  | 1388 | 51.5 | 10.3 | 1286 | 7 | US-11-649-663A-1166  | Sequence 1166, App |
| 1316 | 52   | 10.4 | 1719 | 7 | US-11-649-663A-1860  | Sequence 1860, App | 1389 | 51.5 | 10.3 | 1292 | 7 | US-11-649-663A-1898  | Sequence 1898, App |
| 1317 | 52   | 10.4 | 1732 | 7 | US-11-649-663A-2832  | Sequence 2832, App | 1390 | 51.5 | 10.3 | 1293 | 7 | US-11-649-663A-970   | Sequence 970, App  |
| 1318 | 52   | 10.4 | 1742 | 7 | US-11-649-663A-1238  | Sequence 1238, App | 1391 | 51.5 | 10.3 | 1298 | 7 | US-11-649-663A-2312  | Sequence 2312, App |
| 1319 | 52   | 10.4 | 1747 | 7 | US-11-649-663A-2700  | Sequence 2700, App | 1392 | 51.5 | 10.3 | 1313 | 7 | US-11-649-663A-2312  | Sequence 2312, App |
| 1320 | 52   | 10.4 | 1753 | 7 | US-11-649-663A-1070  | Sequence 1070, App | 1393 | 51.5 | 10.3 | 1335 | 7 | US-11-649-663A-1106  | Sequence 304, App  |
| 1321 | 52   | 10.4 | 1785 | 7 | US-11-649-663A-2744  | Sequence 2744, App | 1394 | 51.5 | 10.3 | 1337 | 7 | US-11-649-663A-304   | Sequence 304, App  |
| 1322 | 52   | 10.4 | 1794 | 7 | US-11-649-663A-2164  | Sequence 2164, App | 1395 | 51.5 | 10.3 | 1337 | 7 | US-11-649-663A-896   | Sequence 896, App  |
| 1323 | 52   | 10.4 | 1856 | 7 | US-11-649-663A-322   | Sequence 322, App  | 1396 | 51.5 | 10.3 | 1340 | 7 | US-11-649-663A-2412  | Sequence 2412, App |
| 1324 | 52   | 10.4 | 1882 | 7 | US-11-649-663A-1388  | Sequence 1388, App | 1397 | 51.5 | 10.3 | 1355 | 6 | US-11-713-768-70176  | Sequence 70176, A  |
| 1325 | 52   | 10.4 | 1938 | 7 | US-11-649-663A-996   | Sequence 996, App  | 1398 | 51.5 | 10.3 | 1366 | 6 | US-10-438-246-19694  | Sequence 19694, A  |
| 1326 | 52   | 10.4 | 1940 | 7 | US-11-649-663A-728   | Sequence 728, App  | 1399 | 51.5 | 10.3 | 1366 | 7 | US-11-713-768-70175  | Sequence 70175, A  |
| 1327 | 52   | 10.4 | 1959 | 7 | US-11-649-663A-1428  | Sequence 1428, App | 1400 | 51.5 | 10.3 | 1376 | 7 | US-11-649-663A-836   | Sequence 836, App  |
| 1328 | 52   | 10.4 | 2003 | 7 | US-11-649-663A-2778  | Sequence 2778, App | 1401 | 51.5 | 10.3 | 1376 | 7 | US-11-649-663A-3652  | Sequence 3652, App |
| 1329 | 52   | 10.4 | 2008 | 7 | US-11-649-663A-1660  | Sequence 1660, App | 1402 | 51.5 | 10.3 | 1382 | 7 | US-11-649-663A-828   | Sequence 828, App  |
| 1330 | 52   | 10.4 | 2030 | 7 | US-11-649-663A-3682  | Sequence 3682, App | 1403 | 51.5 | 10.3 | 1382 | 7 | US-11-649-663A-2402  | Sequence 2402, App |
| 1331 | 52   | 10.4 | 2068 | 7 | US-11-649-663A-2662  | Sequence 2662, App | 1404 | 51.5 | 10.3 | 1385 | 6 | US-10-438-246-19232  | Sequence 19232, A  |
| 1332 | 52   | 10.4 | 2077 | 7 | US-11-649-663A-324   | Sequence 324, App  | 1405 | 51.5 | 10.3 | 1410 | 7 | US-11-649-663A-2200  | Sequence 2200, App |
| 1333 | 52   | 10.4 | 2097 | 7 | US-11-649-663A-148   | Sequence 148, App  | 1406 | 51.5 | 10.3 | 1412 | 7 | US-11-649-663A-3072  | Sequence 3072, App |
| 1334 | 52   | 10.4 | 2105 | 7 | US-11-649-663A-1354  | Sequence 1354, App | 1407 | 51.5 | 10.3 | 1417 | 6 | US-10-438-246-19090  | Sequence 19090, A  |
| 1335 | 52   | 10.4 | 2145 | 7 | US-11-649-663A-2052  | Sequence 2052, App | 1408 | 51.5 | 10.3 | 1443 | 7 | US-11-649-663A-2906  | Sequence 2906, A   |
| 1336 | 52   | 10.4 | 2499 | 7 | US-11-649-663A-268   | Sequence 268, App  | 1409 | 51.5 | 10.3 | 1457 | 7 | US-11-649-663A-1094  | Sequence 1094, App |
| 1337 | 52   | 10.4 | 2740 | 7 | US-11-649-663A-1234  | Sequence 1234, App | 1410 | 51.5 | 10.3 | 1462 | 7 | US-11-649-663A-1056  | Sequence 1056, App |
| 1338 | 52   | 10.4 | 3159 | 7 | US-11-649-663A-1916  | Sequence 1916, App | 1411 | 51.5 | 10.3 | 1463 | 7 | US-11-649-663A-1920  | Sequence 1920, App |
| 1339 | 51.5 | 10.3 | 81   | 7 | US-11-713-768-43342  | Sequence 43342, A  | 1412 | 51.5 | 10.3 | 1488 | 6 | US-10-438-246-19190  | Sequence 19190, A  |
| 1340 | 51.5 | 10.3 | 155  | 7 | US-11-689-173-9249   | Sequence 9249, App | 1413 | 51.5 | 10.3 | 1517 | 7 | US-11-649-663A-616   | Sequence 616, App  |
| 1341 | 51.5 | 10.3 | 189  | 6 | US-10-438-246-25248  | Sequence 25248, A  | 1414 | 51.5 | 10.3 | 1517 | 7 | US-11-649-663A-1202  | Sequence 1202, App |
| 1342 | 51.5 | 10.3 | 199  | 7 | US-11-360-355-119444 | Sequence 119444, A | 1415 | 51.5 | 10.3 | 1517 | 7 | US-11-649-663A-1368  | Sequence 1368, App |
| 1343 | 51.5 | 10.3 | 213  | 7 | US-11-689-173-9249   | Sequence 9249, App | 1416 | 51.5 | 10.3 | 1527 | 7 | US-11-649-663A-2694  | Sequence 2694, App |
| 1344 | 51.5 | 10.3 | 262  | 7 | US-11-713-768-3152   | Sequence 3152, App | 1417 | 51.5 | 10.3 | 1529 | 7 | US-11-649-663A-1114  | Sequence 1114, App |
| 1345 | 51.5 | 10.3 | 283  | 7 | US-11-713-768-3152   | Sequence 3152, App | 1418 | 51.5 | 10.3 | 1536 | 7 | US-11-649-663A-1218  | Sequence 1218, App |
| 1346 | 51.5 | 10.3 | 289  | 7 | US-11-713-768-43817  | Sequence 43817, A  | 1419 | 51.5 | 10.3 | 1538 | 6 | US-10-438-246-19097  | Sequence 19097, A  |
| 1347 | 51.5 | 10.3 | 289  | 7 | US-11-713-768-45249  | Sequence 45249, A  | 1420 | 51.5 | 10.3 | 1538 | 6 | US-10-438-246-19179  | Sequence 19179, A  |

|      |      |      |      |   |                      |                    |      |    |      |     |   |                      |                    |
|------|------|------|------|---|----------------------|--------------------|------|----|------|-----|---|----------------------|--------------------|
| 1421 | 51.5 | 10.3 | 1538 | 6 | US-10-438-246-25915  | Sequence 25915, A  | 1494 | 51 | 10.2 | 186 | 7 | US-11-360-355-159746 | Sequence 159746,   |
| 1422 | 51.5 | 10.3 | 1558 | 7 | US-11-649-663A-856   | Sequence 856, App  | 1495 | 51 | 10.2 | 191 | 7 | US-11-713-768-7131   | Sequence 7131, Ap  |
| 1423 | 51.5 | 10.3 | 1581 | 7 | US-11-649-663A-1874  | Sequence 1874, Ap  | 1496 | 51 | 10.2 | 199 | 7 | US-11-713-768-55758  | Sequence 55758, A  |
| 1424 | 51.5 | 10.3 | 1620 | 6 | US-11-649-663A-620   | Sequence 620, App  | 1497 | 51 | 10.2 | 211 | 7 | US-11-649-663A-3430  | Sequence 3430, Ap  |
| 1425 | 51.5 | 10.3 | 1635 | 6 | US-10-438-246-19153  | Sequence 19153, A  | 1498 | 51 | 10.2 | 212 | 6 | US-10-767-701-32009  | Sequence 32009, A  |
| 1426 | 51.5 | 10.3 | 1641 | 7 | US-11-649-663A-1340  | Sequence 1340, Ap  | 1499 | 51 | 10.2 | 232 | 7 | US-11-360-355-148792 | Sequence 148792, A |
| 1427 | 51.5 | 10.3 | 1650 | 6 | US-10-438-246-18982  | Sequence 18982, A  | 1500 | 51 | 10.2 | 235 | 7 | US-11-713-768-20677  | Sequence 20677, A  |
| 1428 | 51.5 | 10.3 | 1659 | 6 | US-10-438-246-25870  | Sequence 25870, A  |      |    |      |     |   |                      |                    |
| 1429 | 51.5 | 10.3 | 1663 | 7 | US-11-649-663A-938   | Sequence 938, App  |      |    |      |     |   |                      |                    |
| 1430 | 51.5 | 10.3 | 1664 | 6 | US-10-438-246-25896  | Sequence 25896, A  |      |    |      |     |   |                      |                    |
| 1431 | 51.5 | 10.3 | 1721 | 7 | US-11-649-663A-1148  | Sequence 1148, Ap  |      |    |      |     |   |                      |                    |
| 1432 | 51.5 | 10.3 | 1734 | 6 | US-10-438-246-19075  | Sequence 19075, A  |      |    |      |     |   |                      |                    |
| 1433 | 51.5 | 10.3 | 1736 | 7 | US-11-649-663A-2668  | Sequence 2668, Ap  |      |    |      |     |   |                      |                    |
| 1434 | 51.5 | 10.3 | 1737 | 6 | US-10-438-246-19027  | Sequence 19027, A  |      |    |      |     |   |                      |                    |
| 1435 | 51.5 | 10.3 | 1745 | 6 | US-10-438-246-19099  | Sequence 19099, A  |      |    |      |     |   |                      |                    |
| 1436 | 51.5 | 10.3 | 1753 | 6 | US-10-438-246-19119  | Sequence 19119, A  |      |    |      |     |   |                      |                    |
| 1437 | 51.5 | 10.3 | 1753 | 6 | US-10-438-246-25927  | Sequence 25927, A  |      |    |      |     |   |                      |                    |
| 1438 | 51.5 | 10.3 | 1755 | 6 | US-10-438-246-25939  | Sequence 25939, A  |      |    |      |     |   |                      |                    |
| 1439 | 51.5 | 10.3 | 1756 | 6 | US-10-438-246-19062  | Sequence 19062, A  |      |    |      |     |   |                      |                    |
| 1440 | 51.5 | 10.3 | 1756 | 6 | US-10-438-246-19170  | Sequence 19170, A  |      |    |      |     |   |                      |                    |
| 1441 | 51.5 | 10.3 | 1758 | 6 | US-10-438-246-25919  | Sequence 25919, A  |      |    |      |     |   |                      |                    |
| 1442 | 51.5 | 10.3 | 1761 | 7 | US-11-649-663A-1526  | Sequence 1526, Ap  |      |    |      |     |   |                      |                    |
| 1443 | 51.5 | 10.3 | 1764 | 7 | US-11-649-663A-900   | Sequence 900, App  |      |    |      |     |   |                      |                    |
| 1444 | 51.5 | 10.3 | 1767 | 6 | US-10-438-246-19143  | Sequence 19143, A  |      |    |      |     |   |                      |                    |
| 1445 | 51.5 | 10.3 | 1772 | 7 | US-11-649-663A-4212  | Sequence 4212, Ap  |      |    |      |     |   |                      |                    |
| 1446 | 51.5 | 10.3 | 1778 | 6 | US-10-438-246-19229  | Sequence 19229, A  |      |    |      |     |   |                      |                    |
| 1447 | 51.5 | 10.3 | 1778 | 6 | US-10-438-246-25893  | Sequence 25893, A  |      |    |      |     |   |                      |                    |
| 1448 | 51.5 | 10.3 | 1779 | 6 | US-10-438-246-25911  | Sequence 25911, A  |      |    |      |     |   |                      |                    |
| 1449 | 51.5 | 10.3 | 1786 | 6 | US-10-438-246-19113  | Sequence 19113, A  |      |    |      |     |   |                      |                    |
| 1450 | 51.5 | 10.3 | 1787 | 6 | US-10-438-246-25884  | Sequence 25884, A  |      |    |      |     |   |                      |                    |
| 1451 | 51.5 | 10.3 | 1796 | 6 | US-10-438-246-19144  | Sequence 19144, A  |      |    |      |     |   |                      |                    |
| 1452 | 51.5 | 10.3 | 1797 | 6 | US-10-438-246-19158  | Sequence 19158, A  |      |    |      |     |   |                      |                    |
| 1453 | 51.5 | 10.3 | 1800 | 6 | US-10-438-246-19157  | Sequence 19157, A  |      |    |      |     |   |                      |                    |
| 1454 | 51.5 | 10.3 | 1801 | 6 | US-10-438-246-19167  | Sequence 19167, A  |      |    |      |     |   |                      |                    |
| 1455 | 51.5 | 10.3 | 1807 | 6 | US-10-438-246-19152  | Sequence 19152, A  |      |    |      |     |   |                      |                    |
| 1456 | 51.5 | 10.3 | 1811 | 6 | US-10-438-246-19128  | Sequence 19128, A  |      |    |      |     |   |                      |                    |
| 1457 | 51.5 | 10.3 | 1811 | 6 | US-10-438-246-26063  | Sequence 26063, A  |      |    |      |     |   |                      |                    |
| 1458 | 51.5 | 10.3 | 1820 | 6 | US-11-649-663A-1814  | Sequence 1814, Ap  |      |    |      |     |   |                      |                    |
| 1459 | 51.5 | 10.3 | 1822 | 6 | US-10-438-246-19155  | Sequence 19155, A  |      |    |      |     |   |                      |                    |
| 1460 | 51.5 | 10.3 | 1822 | 6 | US-10-438-246-25948  | Sequence 25948, A  |      |    |      |     |   |                      |                    |
| 1461 | 51.5 | 10.3 | 1845 | 7 | US-11-649-663A-1310  | Sequence 1310, Ap  |      |    |      |     |   |                      |                    |
| 1462 | 51.5 | 10.3 | 1847 | 6 | US-10-438-246-19122  | Sequence 19122, A  |      |    |      |     |   |                      |                    |
| 1463 | 51.5 | 10.3 | 1858 | 6 | US-10-438-246-19121  | Sequence 19121, A  |      |    |      |     |   |                      |                    |
| 1464 | 51.5 | 10.3 | 1858 | 6 | US-10-438-246-25963  | Sequence 25963, A  |      |    |      |     |   |                      |                    |
| 1465 | 51.5 | 10.3 | 1861 | 7 | US-11-649-663A-2454  | Sequence 2454, Ap  |      |    |      |     |   |                      |                    |
| 1466 | 51.5 | 10.3 | 1884 | 7 | US-11-649-663A-234   | Sequence 234, App  |      |    |      |     |   |                      |                    |
| 1467 | 51.5 | 10.3 | 1907 | 7 | US-11-649-663A-2770  | Sequence 2770, Ap  |      |    |      |     |   |                      |                    |
| 1468 | 51.5 | 10.3 | 1937 | 7 | US-11-649-663A-3074  | Sequence 3074, Ap  |      |    |      |     |   |                      |                    |
| 1469 | 51.5 | 10.3 | 1980 | 7 | US-11-649-663A-1298  | Sequence 1298, Ap  |      |    |      |     |   |                      |                    |
| 1470 | 51.5 | 10.3 | 1988 | 7 | US-11-649-663A-2860  | Sequence 2860, Ap  |      |    |      |     |   |                      |                    |
| 1471 | 51.5 | 10.3 | 2007 | 6 | US-10-438-246-25883  | Sequence 25883, A  |      |    |      |     |   |                      |                    |
| 1472 | 51.5 | 10.3 | 2016 | 7 | US-11-649-663A-1352  | Sequence 1352, Ap  |      |    |      |     |   |                      |                    |
| 1473 | 51.5 | 10.3 | 2025 | 6 | US-10-438-246-26149  | Sequence 26149, A  |      |    |      |     |   |                      |                    |
| 1474 | 51.5 | 10.3 | 2205 | 6 | US-11-649-663A-1504  | Sequence 1504, Ap  |      |    |      |     |   |                      |                    |
| 1475 | 51.5 | 10.3 | 2328 | 7 | US-11-649-663A-1936  | Sequence 1936, Ap  |      |    |      |     |   |                      |                    |
| 1476 | 51.5 | 10.3 | 2366 | 7 | US-11-649-663A-804   | Sequence 804, App  |      |    |      |     |   |                      |                    |
| 1477 | 51.5 | 10.3 | 2369 | 7 | US-11-649-663A-2012  | Sequence 2012, Ap  |      |    |      |     |   |                      |                    |
| 1478 | 51.5 | 10.3 | 2416 | 7 | US-11-649-663A-4660  | Sequence 4660, Ap  |      |    |      |     |   |                      |                    |
| 1479 | 51.5 | 10.3 | 2515 | 6 | US-10-438-246-20527  | Sequence 20527, A  |      |    |      |     |   |                      |                    |
| 1480 | 51.5 | 10.3 | 2614 | 6 | US-10-438-246-19225  | Sequence 19225, A  |      |    |      |     |   |                      |                    |
| 1481 | 51.5 | 10.3 | 2682 | 7 | US-11-649-663A-88    | Sequence 88, Appl  |      |    |      |     |   |                      |                    |
| 1482 | 51.5 | 10.3 | 3003 | 7 | US-11-649-663A-228   | Sequence 228, App  |      |    |      |     |   |                      |                    |
| 1483 | 51.5 | 10.3 | 3362 | 7 | US-11-649-663A-2314  | Sequence 2314, Ap  |      |    |      |     |   |                      |                    |
| 1484 | 51   | 10.2 | 77   | 6 | US-10-767-701-49060  | Sequence 49060, A  |      |    |      |     |   |                      |                    |
| 1485 | 51   | 10.2 | 85   | 7 | US-11-360-355-120954 | Sequence 120954, A |      |    |      |     |   |                      |                    |
| 1486 | 51   | 10.2 | 105  | 7 | US-11-713-768-55760  | Sequence 55760, A  |      |    |      |     |   |                      |                    |
| 1487 | 51   | 10.2 | 126  | 7 | US-11-360-355-124272 | Sequence 124272, A |      |    |      |     |   |                      |                    |
| 1488 | 51   | 10.2 | 141  | 6 | US-10-767-701-40188  | Sequence 40188, A  |      |    |      |     |   |                      |                    |
| 1489 | 51   | 10.2 | 163  | 6 | US-10-767-701-58025  | Sequence 58025, A  |      |    |      |     |   |                      |                    |
| 1490 | 51   | 10.2 | 165  | 7 | US-11-713-768-7132   | Sequence 7132, Ap  |      |    |      |     |   |                      |                    |
| 1491 | 51   | 10.2 | 167  | 7 | US-11-713-768-55759  | Sequence 55759, A  |      |    |      |     |   |                      |                    |
| 1492 | 51   | 10.2 | 171  | 6 | US-10-767-701-39397  | Sequence 39397, A  |      |    |      |     |   |                      |                    |
| 1493 | 51   | 10.2 | 179  | 7 | US-11-360-355-122733 | Sequence 122733, A |      |    |      |     |   |                      |                    |

Search completed: November 29, 2007, 17:25:25  
Job time : 12.8063 secs